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OM protein - protein search, using sw model

Run on: December 5, 2003, 03:05:48 ; Search time 19 Seconds  
(without alignments)  
55.672 Million cell updates/sec

Title: US-09-913-524-1

Perfect score: 143  
Sequence: 1 PWSPALRLQRPPEPAHANCHR 25

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:\*  
1: /cgn2\_6/prodata/1/1aa/5A\_COMB.pep:\*  
2: /cgn2\_6/prodata/1/1aa/5B\_COMB.pep:\*  
3: /cgn2\_6/prodata/1/1aa/6A\_COMB.pep:\*  
4: /cgn2\_6/prodata/1/1aa/6B\_COMB.pep:\*  
5: /cgn2\_6/prodata/1/1aa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/prodata/1/1aa/backfill1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	143	100.0	351	1	US-08-197-792-39 Sequence 39, Appl
2	143	100.0	351	1	US-08-459-850-39 Sequence 39, Appl
3	143	100.0	351	1	US-08-459-214-39 Sequence 39, Appl
4	131	91.6	364	1	US-08-197-792-29 Sequence 29, Appl
5	131	91.6	364	1	US-08-459-850-29 Sequence 29, Appl
6	131	91.6	364	1	US-08-459-214-29 Sequence 29, Appl
7	110	76.9	122	1	US-08-581-529B-16 Sequence 16, Appl
8	110	76.9	122	1	US-08-455-559-22 Sequence 22, Appl
9	110	76.9	122	2	US-08-525-596B-26 Sequence 26, Appl
10	110	76.9	122	2	US-08-581-529B-16 Sequence 26, Appl
11	110	76.9	122	3	US-09-097-616-16 Sequence 16, Appl
12	110	76.9	122	3	US-09-177-860A-26 Sequence 26, Appl
13	110	76.9	122	3	US-08-624-635-18 Sequence 18, Appl
14	110	76.9	122	3	US-09-145-060-22 Sequence 22, Appl
15	110	76.9	122	4	US-09-629-938-26 Sequence 26, Appl
16	110	76.9	122	5	PCT-US94-00657-22 Sequence 22, Appl
17	110	76.9	122	5	PCT-US94-07762-16 Sequence 16, Appl
18	110	76.9	122	5	PCT-US94-07799-16 Sequence 16, Appl
19	106	74.1	121	1	US-08-481-377-20 Sequence 20, Appl
20	106	74.1	121	2	US-08-491-835-18 Sequence 18, Appl
21	106	74.1	121	3	US-09-153-733A-20 Sequence 20, Appl
22	106	74.1	121	3	US-08-446-092A-18 Sequence 18, Appl
23	106	74.1	121	3	US-09-172-062-18 Sequence 18, Appl
24	106	74.1	121	4	US-09-301-520D-18 Sequence 18, Appl
25	106	74.1	121	4	US-09-389-705-20 Sequence 20, Appl
26	106	74.1	121	5	PCT-US94-00666-20 Sequence 20, Appl
27	106	74.1	121	5	PCT-US94-00665-18 Sequence 18, Appl

28	96	67.1	26	1	US-08-197-792-1 Sequence 1, Appl
29	96	67.1	26	1	US-08-459-850-1 Sequence 1, Appl
30	96	67.1	26	1	US-08-459-214-1 Sequence 1, Appl
31	75	52.4	116	1	US-08-197-792-38 Sequence 38, Appl
32	75	52.4	116	1	US-08-459-850-38 Sequence 38, Appl
33	75	52.4	116	1	US-08-459-214-38 Sequence 38, Appl
34	73	51.0	27	2	US-09-072-323-4 Sequence 4, Appl
35	73	51.0	28	2	US-09-072-323-6 Sequence 4, Appl
36	63	44.1	312	4	US-09-252-991A-30114 Sequence 30114, A
37	61	42.7	101	1	US-08-481-633B-2 Sequence 2, Appl
38	61	42.7	101	1	US-08-480-493A-2 Sequence 2, Appl
39	61	42.7	101	1	US-08-482-638A-2 Sequence 2, Appl
40	60	42.0	145	4	US-09-252-991A-32524 Sequence 32524, A
41	54.5	38.1	1832	3	US-09-335-409-4 Sequence 4, Appl
42	54.5	38.1	1832	4	US-09-568-102-4 Sequence 4, Appl
43	54.5	38.1	1832	4	US-09-567-969-4 Sequence 4, Appl
44	54.5	38.1	1832	4	US-09-568-480-4 Sequence 4, Appl
45	54.5	38.1	1832	4	US-09-568-486-4 Sequence 4, Appl

#### ALIGNMENTS

RESULT 1  
US-08-197-792-39  
Sequence 39, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 39:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 351 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-197-792-39

Query Match 100.0%; Score 143; DB 1; Length 351;  
Best Local Similarity 100.0%; Pred. No. 4.5e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PMSPSALRLQRPPEPPAHANCHR 25  
DB 225 PMSPSALRLQRPPEPPAHANCHR 249

RESULT 2  
US-08-459-850-39  
Sequence 39, Application US/08459850  
Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasek, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2DS  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 39:

INFORMATION FOR SEQ ID NO: 39:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 351 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-459-850-39

Query Match 100.0%; Score 143; DB 1; Length 351;  
Best Local Similarity 100.0%; Pred. No. 4.5e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PMSPSALRLQRPPEPPAHANCHR 25  
DB 225 PMSPSALRLQRPPEPPAHANCHR 249

RESULT 3  
US-08-459-214-39  
Sequence 39, Application US/08459214  
Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasek, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2DS  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 39:

SEQUENCE CHARACTERISTICS:  
LENGTH: 351 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-459-214-39

Query Match 100.0%; Score 143; DB 1; Length 351;  
Best Local Similarity 100.0%; Pred. No. 4,5e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPAHANCHR 25  
DB 225 PMSPALRLQRPPEPAHANCHR 249

RESULT 4  
US-08-197-792-29  
Sequence 29, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 29:-  
SEQUENCE CHARACTERISTICS:  
LENGTH: 364 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-197-792-29

Query Match 91.6%; Score 131; DB 1; Length 364;  
Best Local Similarity 88.0%; Pred. No. 2.1e-10;  
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPAHANCHR 25  
DB 238 PMSPALRLQRPPEPAHANCHR 262

RESULT 5  
US-08-459-850-29  
Sequence 29, Application US/08459850  
Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptides  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 364 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-459-850-29

Query Match 91.6%; Score 131; DB 1; Length 364;

Best Local Similarity 88.0%; Pred. No. 2.1e-10;  
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPAHANCHR 25  
||||:|||||  
DB 238 PMSPALRLQRPPEPAHANCHR 262

## RESULT 6

US-08-459-214-29  
; Sequence 29, Application US/08459214  
; Patent No. 5716810  
; GENERAL INFORMATION:  
; APPLICANT: Anthony J. Mason  
; APPLICANT: Peter H. Seeburg  
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/459,214  
; FILING DATE: 02-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/197792  
; FILING DATE: 17-FEB-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/958414  
; FILING DATE: 08-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/744207  
; FILING DATE: 12-AUG-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/215466  
; FILING DATE: 05-JUL-1988  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/906729  
; FILING DATE: 31-DEC-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/827710  
; FILING DATE: 07-FEB-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/783910  
; FILING DATE: 03-OCT-1985  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hasak, Janet E.  
; REGISTRATION NUMBER: 28,616  
; REFERENCE/DOCKET NUMBER: 297P2D6  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-1896  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 29:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 364 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; US-08-459-214-29

Query Match 91.6%; Score 131; DB 1; Length 364;  
Best Local Similarity 88.0%; Pred. No. 2.1e-10;

Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPAHANCHR 25  
||||:|||||  
DB 238 PMSPALRLQRPPEPAHANCHR 262

## RESULT 7

US-08-581-529B-16  
; Sequence 16, Application US/08581529B  
; Patent No. 5770444  
; GENERAL INFORMATION:  
; APPLICANT: Lee, Se-Jin  
; APPLICANT: Hyunh, Thanh  
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6  
; NUMBER OF SEQUENCES: 21  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Fish & Richardson  
; STREET: 4225 Executive Square, Suite 1400  
; CITY: La Jolla  
; STATE: California  
; COUNTRY: USA  
; ZIP: 92037  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patentin Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/581,529B  
; FILING DATE: 15-APR-1996  
; CLASSIFICATION: 536  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Lisa A. Haile, Ph.D.  
; REGISTRATION NUMBER: 38,347  
; REFERENCE/DOCKET NUMBER: 07265/082001  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (619) 678-5070  
; TELEFAX: (619) 678-5099  
; INFORMATION FOR SEQ ID NO: 16:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 122 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; IMMEDIATE SOURCE:  
; CLONE: Inhibin-alpha  
; FEATURE:  
; NAME/KEY: Protein  
; LOCATION: 1..122  
; US-08-581-529B-16

Query Match 76.9%; Score 110; DB 1; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPAHANCHR 25  
||||:|||||  
DB 1 ALRLQRPPEPAHANCHR 20

## RESULT 8

US-08-455-559-22  
; Sequence 22, Application US/08455559  
; Patent No. 5801014  
; GENERAL INFORMATION:  
; APPLICANT: LEE, SE-JIN  
; APPLICANT: HUYNH, THANH  
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5  
; NUMBER OF SEQUENCES: 27  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: SPENSLAY HORN JUBAS & LUBITZ



STREET: 1880 CENTURY PARK EAST, FIFTH FLOOR  
CITY: LOS ANGELES  
STATE: CALIFORNIA  
COUNTRY: US  
ZIP: 90067  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/455,559  
FILING DATE: 31-MAY-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/003,144  
FILING DATE: 12-JAN-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: WETHERELL, JR. PH.D., JOHN R.  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: PD2280  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619/455-5100  
TELEFAX: 619-455-5110  
INFORMATION FOR SEQ ID NO: 22:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibit- $\alpha$ pha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-455-559-22

Query Match 76.9%; Score 110; DB 1; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAHNCHNR 25  
DB 1 ALRLQRPPEPPAHNCHNR 20

RESULT 9  
US-08-525-596B-26  
Sequence 26, Application US/08525596B  
Patent No. 5827733  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/525,596B  
FILING DATE: 19-SEP-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US94/07762  
FILING DATE: 08-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Wetherell, Jr., Ph.D., John R.  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: 07265/075001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619-678-5070  
TELEFAX: 619-678-5099  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibit- $\alpha$ pha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-525-596B-26

Query Match 76.9%; Score 110; DB 2; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAHNCHNR 25  
DB 1 ALRLQRPPEPPAHNCHNR 20

RESULT 10  
US-08-581-528A-16  
Sequence 16, Application US/08581528A  
Patent No. 5986058  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-7  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson, P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/581,528A  
FILING DATE: 03-SEP-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/089,670  
FILING DATE: 09-JUL-1993  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Haile, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/081001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619/678-5070  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-581-528A-16

Query Match 76.9%; Score 110; DB 2; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPAHANCHR 25  
DB 1 ALRLQRPPEPAHANCHR 20

RESULT 11  
US-09-097-616-16  
Sequence 16, Application US/09097616  
Patent No. 6090563  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
APPLICANT: Huynh, Thanh  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: California  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent In Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/097,616  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/581,529  
FILING DATE: 15-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Haile, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/082001  
TELEPHONE: (619) 678-5070  
TELEFAX: (619) 678-5099  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-09-097-616-16

Query Match 76.9%; Score 110; DB 3; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 6 ALRLQRPPEPAHANCHR 25  
DB 1 ALRLQRPPEPAHANCHR 20

RESULT 12  
US-09-177-860A-26  
Sequence 26, Application US/09177860A  
Patent No. 6096506  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
APPLICANT: Lee, Se-Jin  
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR GROWTH DIFFERENTIATION FACTOR-8 AN  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Gray Cary Ware & Freidenrich LLP  
STREET: 4365 Executive Drive, Suite 1600  
CITY: San Diego  
STATE: CA  
COUNTRY: US  
ZIP: 92121  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/177,860A  
FILING DATE: 23-OCT-1998  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/525,596  
FILING DATE: 19-SEP-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Haile, Ph.D, Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/075003  
TELEPHONE: 858-677-1456  
TELEFAX: 858-677-1465  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-09-177-860A-26

Query Match 76.9%; Score 110; DB 3; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPAHANCHR 25  
DB 1 ALRLQRPPEPAHANCHR 20

RESULT 13  
US-08-624-635-18  
Sequence 18, Application US/08624635  
Patent No. 6204047  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
APPLICANT: Cunningham, No. 6204047een  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Spensley Horn Juhas & Lubitz  
STREET: 1880 Century Park East, Suite 500  
CITY: Los Angeles  
STATE: California

COUNTRY: USA  
ZIP: 90067  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/624,635  
FILING DATE: 16-AUG-1996  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/134,078  
FILING DATE: 08-OCT-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Metherell, Jr., Ph.D., John R.,  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: PD-3054  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 455-5100  
TELEFAX: (619) 455-5110  
INFORMATION FOR SEQ ID NO: 18:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-624-635-18

Query Match 76.9%; Score 110; DB 3; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAHANCHR 25  
DB 1 ALRLQRPPEPPAHANCHR 20

RESULT 14  
US-09-145-060-22  
Sequence 22, Application US/09145060  
Patent No. 6245896  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson, P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/145,060  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/455,559  
FILING DATE: 31-MAY-1995  
APPLICATION NUMBER: 08/003,144  
FILING DATE: 12-JAN-1993

ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Halle, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/057001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619/678-5070  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 22:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
US-09-145-060-22

Query Match 76.9%; Score 110; DB 3; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAHANCHR 25  
DB 1 ALRLQRPPEPPAHANCHR 20

RESULT 15  
US-09-629-938-26  
Sequence 26, Application US/09629938  
Patent No. 6500664  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
Lee, Se-jin  
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR GROWTH DIFFERENTIATION  
FACTOR-8 AND METHODS OF USING SAME (Amended)  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Gray Cary Ware & Freidenrich LLP  
STREET: 4365 Executive Drive, Suite 1600  
CITY: San Diego  
STATE: CA  
COUNTRY: US  
ZIP: 92121  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/629,938  
FILING DATE: 01-Aug-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/177,860  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Halle, Ph.D. Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/075003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 858-677-1456  
TELEFAX: 858-677-1465  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122



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OM protein - protein search, using sw model

Run on: December 5, 2003, 05:42:09 ; Search time 141 Seconds  
(without alignments)  
32.976 Million cell updates/sec

Title: US-09-913-524-1

Sequence: 1 PWSPALRLQRPPEPAHANCHR 25

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 684280 seqs, 185983659 residues

Total number of hits satisfying chosen parameters: 684280

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Listing first 45 summaries

Database :

Published Applications AA.\*  
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2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*  
3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*  
4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*  
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11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*  
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16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*  
17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*  
18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Prod. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	143	100.0	134	12	US-10-125-187-2 Sequence 2, Appl1
2	143	100.0	367	10	US-09-813-398-18 Sequence 18, Appl1
3	110	76.9	122	10	US-09-813-459-18 Sequence 18, Appl1
4	110	76.9	122	10	US-09-859-211-44 Sequence 44, Appl1
5	110	76.9	122	10	US-09-880-708-22 Sequence 22, Appl1
6	110	76.9	122	11	US-09-872-856-44 Sequence 44, Appl1
7	110	76.9	122	15	US-10-335-483-26 Sequence 26, Appl1
8	106	74.1	121	14	US-10-115-406-18 Sequence 18, Appl1
9	106	74.1	121	15	US-10-154-333-20 Sequence 20, Appl1
10	100	69.9	26	12	US-09-930-915A-252 Sequence 252, Appl1
11	100	69.9	26	12	US-10-082-014-74 Sequence 74, Appl1
12	100	69.9	26	12	US-10-372-076-75 Sequence 75, Appl1
13	80	55.9	14	12	US-10-125-187-7 Sequence 7, Appl1
14	80	55.9	14	12	US-10-125-187-41 Sequence 41, Appl1
15	76	53.1	14	12	US-10-125-187-5 Sequence 5, Appl1

16	76	53.1	14	12	US-10-125-187-38 Sequence 38, Appl1
17	73	51.0	14	12	US-10-125-187-39 Sequence 39, Appl1
18	72	50.3	14	12	US-10-125-187-8 Sequence 8, Appl1
19	72	50.3	14	12	US-10-125-187-42 Sequence 42, Appl1
20	71	49.7	14	12	US-10-125-187-37 Sequence 37, Appl1
21	70	49.0	14	12	US-10-125-187-6 Sequence 6, Appl1
22	70	49.0	14	12	US-10-125-187-40 Sequence 40, Appl1
23	61	42.7	101	12	US-10-262-581-2 Sequence 2, Appl1
24	59	41.3	14	12	US-10-125-187-4 Sequence 4, Appl1
25	59	41.3	14	12	US-10-125-187-36 Sequence 36, Appl1
26	55.5	38.8	368	9	US-09-768-703-2 Sequence 2, Appl1
27	55.5	38.8	368	12	US-10-272-983-6 Sequence 6, Appl1
28	55.5	38.8	368	12	US-10-312-094-3 Sequence 3, Appl1
29	55.5	38.8	368	15	US-10-393-807-6 Sequence 6, Appl1
30	55.5	38.8	368	15	US-10-225-567A-627 Sequence 627, Appl1
31	55.5	38.8	368	15	US-10-220-382-4 Sequence 4, Appl1
32	54.5	38.1	1832	14	US-10-014-717-4 Sequence 4, Appl1
33	51.5	36.0	2439	9	US-09-864-761-40290 Sequence 40290, A
34	50.5	35.3	2439	14	US-10-014-717-7 Sequence 7, Appl1
35	50	35.0	14	12	US-10-125-187-35 Sequence 35, Appl1
36	50	35.0	454	15	US-10-156-761-13939 Sequence 13939, A
37	50	35.0	3122	12	US-10-200-562-201 Sequence 201, Appl1
38	50	35.0	3122	12	US-10-237-551-201 Sequence 201, Appl1
39	50	35.0	3122	12	US-10-237-551-250 Sequence 250, Appl1
40	49	34.3	517	15	US-10-156-761-9172 Sequence 9172, Appl1
41	49	34.3	2301	11	US-09-822-871-4 Sequence 4, Appl1
42	48.5	33.9	888	11	US-09-931-836-35 Sequence 35, Appl1
43	48.5	33.9	888	12	US-10-035-977-35 Sequence 35, Appl1
44	48.5	33.9	888	12	US-10-137-870-544 Sequence 544, Appl1
45	48.5	33.9	888	12	US-10-140-018-544 Sequence 544, Appl1

#### ALIGNMENTS

RESULT 1  
US-10-125-187-2  
Sequence 2, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNE-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
APPLICANT: CAHR, Nicholas F.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENT  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIOR APPLICATION NUMBER: PCT/AU00/01248  
PRIOR FILING DATE: 2000-10-18  
PRIOR APPLICATION NUMBER: AU PQ 9162  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: AU PQ 3485  
PRIOR FILING DATE: 1999-10-18  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 2  
LENGTH: 134  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: alpha C fragment of human inhibin  
US-10-125-187-2

Query Match 100.0%; Score 143; DB 12; Length 134;  
Best Local Similarity 100.0%; Pred. No. 1,1e-10;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PWSPALRLQRPPEPAHANCHR 25  
DB 8 PWSPALRLQRPPEPAHANCHR 32

RESULT 2  
US-09-813-398-18  
Sequence 18, Application US/09813398  
Patent No. US20020169292A1  
GENERAL INFORMATION:  
APPLICANT: Bruce D. Weintraub  
APPLICANT: Mariusz W. Szklinski  
APPLICANT: University of Maryland  
TITLE OF INVENTION: CYSTINE KNOT GROWTH FACTOR MUTANTS  
FILE REFERENCE: UOPMD.003CI  
CURRENT APPLICATION NUMBER: US/09/813.398  
CURRENT FILING DATE: 2001-03-20  
PRIOR APPLICATION NUMBER: PCT/US99/05908  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: PCT/US98/19772  
PRIOR FILING DATE: 1998-09-22  
SOFTWARE: FastSeq for Windows Version 4.0  
NUMBER OF SEQ ID NOS: 41  
SEQ ID NO 18  
LENGTH: 367  
TYPE: PRT  
ORGANISM: HOMO SAPIEN  
US-09-813-398-18

Query Match 100.0%; Score 143; DB 10; Length 367;  
Best Local Similarity 100.0%; Pred. No. 2.8e-10;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 PMSPSALRLQRPPEPPAANR 25  
241 PMSPSALRLQRPPEPPAANR 265

RESULT 3  
US-09-813-459-18  
Sequence 18, Application US/09813459  
Patent No. US20020107369A1  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
Cummingham, No. US20020107369A1  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Spensley Horn Jubas & Lubitz  
STREET: 1880 Century Park East, Suite 500  
CITY: Los Angeles  
STATE: California  
COUNTRY: USA  
ZIP: 90067  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/813.459  
FILING DATE: 20-Mar-2001  
CLASSIFICATION: <Unknown>  
APPLICATION DATA:  
APPLICATION NUMBER: 08/624,635  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Wetherell, Jr., Ph.D., John R.,  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: PD-3054  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 455-5100  
TELEFAX: (619) 455-5110  
INFORMATION FOR SEQ ID NO: 18:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single

TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Imbibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
SEQUENCE DESCRIPTION: SEQ ID NO: 18:  
US-09-813-459-18

Query Match 76.9%; Score 110; DB 10; Length 122;  
Best Local Similarity 100.0%; Pred. No. 1.5e-06;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPPAANR 25  
1 ALRLQRPPEPPAANR 20

RESULT 4  
US-09-859-211-44  
Sequence 44, Application US/09859211  
Patent No. US20020157125A1  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
McPherron, Alexandra C.  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8  
FILE REFERENCE: 07265/144001  
CURRENT APPLICATION NUMBER: US/09/859,211  
CURRENT FILING DATE: 2001-05-15  
PRIOR APPLICATION NUMBER: 09/019,070  
PRIOR FILING DATE: 1998-02-05  
PRIOR APPLICATION NUMBER: 08/862,445  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 08/847,910  
PRIOR FILING DATE: 1997-04-28  
PRIOR APPLICATION NUMBER: 08/795,071  
PRIOR FILING DATE: 1997-02-05  
PRIOR APPLICATION NUMBER: 08/525,596  
PRIOR FILING DATE: 1995-10-26  
PRIOR APPLICATION NUMBER: PCT/US94/03019  
PRIOR FILING DATE: 1994-03-18  
PRIOR APPLICATION NUMBER: 08/033,923  
PRIOR FILING DATE: 1993-03-19  
NUMBER OF SEQ ID NOS: 51  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 44  
LENGTH: 122  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-859-211-44

Query Match 76.9%; Score 110; DB 10; Length 122;  
Best Local Similarity 100.0%; Pred. No. 1.5e-06;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPPAANR 25  
1 ALRLQRPPEPPAANR 20

RESULT 5  
US-09-880-708-22  
Sequence 22, Application US/09880708  
Patent No. US20020165361A1  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
Huynh, Thanh  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5  
NUMBER OF SEQUENCES: 28  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Gray Cary Ware & Freidenrich LLP  
STREET: 4365 Executive Drive, Suite 1600

CITY: San Diego  
STATE: CA  
COUNTRY: USA  
ZIP: 92121-2189  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/880,708  
FILING DATE: 12-Jun-2001  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/145,060  
FILING DATE: <Unknown>  
APPLICATION NUMBER: 08/003,144  
FILING DATE: 12-Jan-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Haile, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/057002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 858/677-1456  
TELEFAX: 619/677-1465  
INFORMATION FOR SEQ ID NO: 22:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibit-alpha  
SEQUENCE DESCRIPTION: SEQ ID NO: 22:  
US-09-880-708-22

Query Match 76.9%; Score 110; DB 10; Length 122;  
Best Local Similarity 100.0%; Pred. No. 1.5e-06;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAHANCHR 25  
DB 1 ALRLQRPPEPPAHANCHR 20

RESULT 6  
US-09-872-856-44  
Sequence 44, Application US/09872856  
Publication No. US20030074680A1  
GENERAL INFORMATION:  
APPLICANT: Johns Hopkins University School of Medicine  
APPLICANT: Lee, Se-Jin  
TITLE OF INVENTION: Growth Differentiation Factor-8  
FILE REFERENCE: JHU1120-17  
CURRENT APPLICATION NUMBER: US/09/872,856  
CURRENT FILING DATE: 2001-06-01  
PRIOR APPLICATION NUMBER: US 09/124,180  
PRIOR FILING DATE: 1998-07-28  
PRIOR APPLICATION NUMBER: US 09/019,070  
PRIOR FILING DATE: 1998-02-05  
PRIOR APPLICATION NUMBER: US 08/862,445  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: US 08/847,910  
PRIOR FILING DATE: 1997-04-28  
PRIOR APPLICATION NUMBER: US 08/795,071  
PRIOR FILING DATE: 1997-02-05  
PRIOR APPLICATION NUMBER: US 08/525,596  
PRIOR FILING DATE: 1995-10-25  
PRIOR APPLICATION NUMBER: PCT/US 94/03019  
PRIOR FILING DATE: 1994-03-18  
PRIOR APPLICATION NUMBER: US 08/033,923  
PRIOR FILING DATE: 1993-03-19  
NUMBER OF SEQ ID NOS: 53

SOFTWARE: PatentIn version 3.1  
SEQ ID NO 44  
LENGTH: 122  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-872-856-44

Query Match 76.9%; Score 110; DB 11; Length 122;  
Best Local Similarity 100.0%; Pred. No. 1.5e-06;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAHANCHR 25  
DB 1 ALRLQRPPEPPAHANCHR 20

RESULT 7  
US-10-335-483-26  
Sequence 26, Application US/10335483  
Publication No. US20030120058A1  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
Lee, Se-Jin

TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: US  
ZIP: 92037

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95

SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/335,483  
FILING DATE: 31-Dec-2002  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/177,860  
FILING DATE: <Unknown>  
APPLICATION NUMBER: 08/525,596  
FILING DATE: 19-SEP-1995  
APPLICATION NUMBER: PCT/US94/07762  
FILING DATE: 08-JUL-1994

ATTORNEY/AGENT INFORMATION:  
NAME: McHarell, Jr., Ph.D, John R.  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: 07265/075001

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619-678-5099  
TELEFAX: 619-678-5099

INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear

MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibitin-alpha  
FEATURE:

NAME/KEY: Protein  
LOCATION: 1..122

SEQUENCE DESCRIPTION: SEQ ID NO: 26:  
US-10-335-483-26

Query Match 76.9%; Score 110; DB 15; Length 122;  
Best Local Similarity 100.0%; Pred. No. 1.5e-06;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;





PRIOR FILING DATE: 2001-08-15  
NUMBER OF SEQ ID NOS: 290  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO: 74  
LENGTH: 26  
TYPE: PRT  
ORGANISM: Bovine Inhibin  
US-10-082-014-74

Query Match 69.9%; Score 100; DB 12; Length 26;  
Best Local Similarity 94.7%; Pred. No. 6.2e-06;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPAA 19  
|||:|||||  
DB 8 PMSPALRLQRPPEPAA 26

RESULT 12  
US-10-372-076-75  
Sequence 75, Application US/10372076  
Publication No. US20030198645A1  
GENERAL INFORMATION:  
APPLICANT: Page, Mark  
APPLICANT: Friede, Martin  
TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR  
FILE REFERENCE: 4564/87179  
CURRENT APPLICATION NUMBER: US/10/372,076  
CURRENT FILING DATE: 2003-02-21  
PRIOR APPLICATION NUMBER: 10/080,299  
PRIOR FILING DATE: 2002-02-21  
PRIOR APPLICATION NUMBER: 10/082,014  
PRIOR FILING DATE: 2002-02-22  
NUMBER OF SEQ ID NOS: 308  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO: 75  
LENGTH: 26  
TYPE: PRT  
ORGANISM: Bovine Inhibin  
US-10-372-076-75

Query Match 69.9%; Score 100; DB 12; Length 26;  
Best Local Similarity 94.7%; Pred. No. 6.2e-06;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPAA 19  
|||:|||||  
DB 8 PMSPALRLQRPPEPAA 26

RESULT 13  
US-10-125-187-7  
Sequence 7, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNE-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
APPLICANT: CAHIR, Nicholas F.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENT  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIOR APPLICATION NUMBER: PCT/AU00/01248  
PRIOR FILING DATE: 2000-10-18  
PRIOR APPLICATION NUMBER: AU PQ 9162  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: AU PQ 3485  
PRIOR FILING DATE: 1999-10-18  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO: 7

LENGTH: 14  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 7 of  
US-10-125-187-7

Query Match 55.9%; Score 80; DB 12; Length 14;  
Best Local Similarity 100.0%; Pred. No. 0.0011;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 LORPEEPAAHANC 23  
|||:|||||  
DB 1 LORPEEPAAHANC 14

RESULT 14  
US-10-125-187-41  
Sequence 41, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNE-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
APPLICANT: CAHIR, Nicholas F.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENT  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIOR APPLICATION NUMBER: PCT/AU00/01248  
PRIOR FILING DATE: 2000-10-18  
PRIOR APPLICATION NUMBER: AU PQ 9162  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: AU PQ 3485  
PRIOR FILING DATE: 1999-10-18  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO: 41  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 8 of  
US-10-125-187-41

Query Match 55.9%; Score 80; DB 12; Length 14;  
Best Local Similarity 100.0%; Pred. No. 0.0011;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 10 LORPEEPAAHANC 23  
|||:|||||  
DB 1 LORPEEPAAHANC 14

RESULT 15  
US-10-125-187-5  
Sequence 5, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNE-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
APPLICANT: CAHIR, Nicholas F.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENT  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIOR APPLICATION NUMBER: PCT/AU00/01248  
PRIOR FILING DATE: 2000-10-18  
PRIOR APPLICATION NUMBER: AU PQ 9162  
PRIOR FILING DATE: 2000-08-03

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; PRIOR APPLICATION NUMBER: AU PQ 3485
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 5
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 5 of
; OTHER INFORMATION: TABLE 1
US-10-125-187-5

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Query Match      53.1%; Score 76; DB 12; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0037;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY      2 WSPSALRLLPPE 15
        |||||
Db      1 WSPSALRLLPPE 14

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Search completed: December 5, 2003, 06:24:56  
 Job time : 142 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2003 Compugen Ltd.

OW protein - protein search, using sw model

Run on: December 5, 2003, 03:05:48 ; Search time 19 Seconds  
(Without alignments)  
55.672 Million cell updates/sec

Title: US-09-913-524-9  
Perfect score: 143  
Sequence: 1 PMSPALRLQRPPEPSAHAFCHR 25

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:  
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2: /cgn2\_6/ptodata/1/1aa/5B COMB.pep.\*  
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4: /cgn2\_6/ptodata/1/1aa/6B COMB.pep.\*  
5: /cgn2\_6/ptodata/1/1aa/PCUS COMB.pep.\*  
6: /cgn2\_6/ptodata/1/1aa/backfile1.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	128	89.5	351	1 US-08-197-792-39	Sequence 39, Appl
2	128	89.5	351	1 US-08-459-850-39	Sequence 39, Appl
3	128	89.5	351	1 US-08-459-214-39	Sequence 39, Appl
4	127	88.8	364	1 US-08-197-792-29	Sequence 29, Appl
5	127	88.8	364	1 US-08-459-850-29	Sequence 29, Appl
6	127	88.8	364	1 US-08-459-214-29	Sequence 29, Appl
7	98	68.5	122	1 US-08-581-5298-16	Sequence 16, Appl
8	98	68.5	122	1 US-08-525-5968-26	Sequence 26, Appl
9	98	68.5	122	2 US-08-581-528A-16	Sequence 16, Appl
10	98	68.5	122	3 US-09-097-816-16	Sequence 16, Appl
11	98	68.5	122	3 US-09-177-860A-26	Sequence 26, Appl
12	98	68.5	122	3 US-08-624-635-18	Sequence 18, Appl
13	98	68.5	122	3 US-09-145-060-22	Sequence 22, Appl
14	98	68.5	122	4 US-09-629-938-26	Sequence 26, Appl
15	98	68.5	122	5 PCT-US94-00657-22	Sequence 22, Appl
16	98	68.5	122	5 PCT-US94-07762-16	Sequence 16, Appl
17	98	68.5	122	5 PCT-US94-07799-16	Sequence 16, Appl
18	98	68.5	122	5 PCT-US94-07799-16	Sequence 16, Appl
19	96	67.1	26	1 US-08-197-792-1	Sequence 1, Appl
20	96	67.1	26	1 US-08-459-850-1	Sequence 1, Appl
21	96	67.1	26	1 US-08-459-214-1	Sequence 1, Appl
22	94	65.7	121	1 US-08-481-377-20	Sequence 20, Appl
23	94	65.7	121	2 US-08-481-377-20	Sequence 20, Appl
24	94	65.7	121	3 US-08-153-733A-20	Sequence 20, Appl
25	94	65.7	121	3 US-08-946-092A-18	Sequence 18, Appl
26	94	65.7	121	3 US-09-172-062-18	Sequence 18, Appl
27	94	65.7	121	4 US-09-301-520D-18	Sequence 18, Appl

28	94	65.7	121	4 US-09-389-705-20	Sequence 20, Appl
29	94	65.7	121	5 PCT-US94-00666-20	Sequence 20, Appl
30	94	65.7	121	5 PCT-US94-00685-18	Sequence 18, Appl
31	73	51.0	27	2 US-09-072-323-4	Sequence 4, Appl
32	73	51.0	28	2 US-09-072-323-6	Sequence 6, Appl
33	68	47.6	116	1 US-08-197-792-38	Sequence 38, Appl
34	68	47.6	116	1 US-08-459-850-38	Sequence 38, Appl
35	68	47.6	116	1 US-08-459-214-38	Sequence 38, Appl
36	58	40.6	312	4 US-09-252-991A-30114	Sequence 30114, A
37	55.5	38.8	1832	3 US-09-335-409-4	Sequence 4, Appl
38	55.5	38.8	1832	4 US-09-568-102-4	Sequence 4, Appl
39	55.5	38.8	1832	4 US-09-567-969-4	Sequence 4, Appl
40	55.5	38.8	1832	4 US-09-568-480-4	Sequence 4, Appl
41	55.5	38.8	1832	4 US-09-568-486-4	Sequence 4, Appl
42	55.5	38.8	1832	4 US-09-568-472-4	Sequence 4, Appl
43	55.5	38.8	1832	4 US-09-567-899-4	Sequence 4, Appl
44	54	37.8	145	4 US-09-252-991A-32524	Sequence 32524, A
45	53	37.1	470	4 US-09-252-991A-19467	Sequence 19467, A

## ALIGNMENTS

RESULT 1  
US-08-197-792-39  
Sequence 39, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 39:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 351 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
US-08-197-792-39

Query Match 89.5%; Score 128; DB 1; Length 351;  
Best Local Similarity 88.0%; Pred. No. 1.3e-10;  
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 PMSPALRLQRPPEPSAHPCHR 25  
Db 225 PMSPALRLQRPPEPSAHPCHR 249

RESULT 2  
US-08-459-850-39  
; Sequence 39, Application US/08459850  
; Patent No. 5665568  
; GENERAL INFORMATION:  
; APPLICANT: Anthony J. Mason  
; APPLICANT: Peter H. Seeburg  
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: patin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/459,850  
; FILING DATE: 02-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/197792  
; FILING DATE: 17-FEB-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/958414  
; FILING DATE: 08-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/744207  
; FILING DATE: 12-AUG-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/215466  
; FILING DATE: 05-JUL-1988  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/906729  
; FILING DATE: 31-DEC-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/827710  
; FILING DATE: 07-FEB-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/783910  
; FILING DATE: 03-OCT-1985  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Haasak, Janet E.  
; REGISTRATION NUMBER: 28,616  
; REFERENCE/DOCKET NUMBER: 297P2DS  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-1896  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 39:

TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 39:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 351 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
US-08-459-850-39

Query Match 89.5%; Score 128; DB 1; Length 351;  
Best Local Similarity 88.0%; Pred. No. 1.3e-10;  
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 PMSPALRLQRPPEPSAHPCHR 25  
Db 225 PMSPALRLQRPPEPSAHPCHR 249

RESULT 3  
US-08-459-214-39  
; Sequence 39, Application US/08459214  
; Patent No. 5716810  
; GENERAL INFORMATION:  
; APPLICANT: Anthony J. Mason  
; APPLICANT: Peter H. Seeburg  
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: patin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/459,214  
; FILING DATE: 02-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/197792  
; FILING DATE: 17-FEB-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/958414  
; FILING DATE: 08-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/744207  
; FILING DATE: 12-AUG-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/215466  
; FILING DATE: 05-JUL-1988  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/906729  
; FILING DATE: 31-DEC-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/827710  
; FILING DATE: 07-FEB-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/783910  
; FILING DATE: 03-OCT-1985  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Haasak, Janet E.  
; REGISTRATION NUMBER: 28,616  
; REFERENCE/DOCKET NUMBER: 297P2DS  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-1896  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 39:

SEQUENCE CHARACTERISTICS:  
LENGTH: 351 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-459-214-39

Query Match 89.5%; Score 128; DB 1; Length 351;  
Best Local Similarity 88.0%; Pred. No. 1,3e-10;  
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHAFCHR 25  
DB 225 PMSPALRLQRPPEPSAHAFCHR 249

RESULT 4  
US-08-197-792-29  
Sequence 29, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 364 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-197-792-29

Query Match 88.8%; Score 127; DB 1; Length 364;  
Best Local Similarity 88.0%; Pred. No. 1,8e-10;  
Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHAFCHR 25  
DB 238 PMSPALRLQRPPEPSAHAFCHR 262

RESULT 5  
US-08-459-850-29  
Sequence 29, Application US/08459850  
Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptides  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 364 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-459-850-29

Query Match 88.8%; Score 127; DB 1; Length 364;

Best Local Similarity 88.0%; Pred. No. 1.8e-10;  
Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHAFCHR 25  
DB 238 PMSPALRLQRPPEPSAHAFCHR 262

## RESULT 6

US-08-459-214-29  
Sequence 29, Application US/08459214  
Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 364 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-459-214-29

Query Match 88.8%; Score 127; DB 1; Length 364;  
Best Local Similarity 88.0%; Pred. No. 1.8e-10;

Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHAFCHR 25  
DB 238 PMSPALRLQRPPEPSAHAFCHR 262

## RESULT 7

US-08-581-529B-16  
Sequence 16, Application US/08581529B  
Patent No. 5770444  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
APPLICANT: Huynh, Thanh  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: California  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/581,529B  
FILING DATE: 15-APR-1996  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Haile, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/082001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 678-5070  
TELEFAX: (619) 678-5099  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-581-529B-16

Query Match 68.5%; Score 98; DB 1; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25  
DB 1 ALRLQRPPEPSAHAFCHR 20

RESULT 8  
US-08-455-559-22  
Sequence 22, Application US/08455559  
Patent No. 5801014  
GENERAL INFORMATION:  
APPLICANT: LEE, SE-JIN  
APPLICANT: HUYNH, THANH  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: SPENSLER HORN JUBAS & LUBITZ

STREET: 1880 CENTURY PARK EAST, FIFTH FLOOR  
CITY: LOS ANGELES  
STATE: CALIFORNIA  
COUNTRY: US  
ZIP: 90067  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/455,559  
FILING DATE: 31-MAY-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/003,144  
FILING DATE: 12-JAN-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: WETHERELL, JR. PH.D., JOHN R.  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: PD2280  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619/455-5100  
TELEFAX: 619-455-5110  
INFORMATION FOR SEQ ID NO: 22:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibit-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-455-559-22

Query Match 68.5%; Score 98; DB 1; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25  
DB 1 ALRLQRPPEPSAHAFCHR 20

RESULT 9  
US-08-525-596B-26  
Sequence 26, Application US/08525596B  
Patent No. 5827733  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
APPLICANT: Lee, Se-jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/525,596B  
FILING DATE: 19-SEP-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US94/07762  
FILING DATE: 08-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Wetherell, Jr., Ph.D., John R.  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: 07265/075001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619-678-5070  
TELEFAX: 619-678-5099  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibit-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-525-596B-26

Query Match 68.5%; Score 98; DB 2; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25  
DB 1 ALRLQRPPEPSAHAFCHR 20

RESULT 10  
US-08-581-528A-16  
Sequence 16, Application US/08581528A  
Patent No. 5986058  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-jin  
APPLICANT: Huynh, Thanh  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-7  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson, P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/581,528A  
FILING DATE: 03-SEP-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/089,670  
FILING DATE: 09-JUL-1993  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Haile, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/081001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619/678-5099  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-581-528A-16

Query Match 68.5%; Score 98; DB 2; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 6 ALRLQRPPEPSAHAFCHR 25  
|||||  
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 11  
US-09-097-616-16  
Sequence 16, Application US/09097616  
Patent No. 6090563  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
APPLICANT: Huynh, Thanh  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: California  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/097,616  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/581,529  
FILING DATE: 15-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Hallie, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/082001  
TELEPHONE: (619) 678-5070  
TELEFAX: (619) 678-5099  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-09-097-616-16

Query Match 68.5%; Score 98; DB 3; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 6 ALRLQRPPEPSAHAFCHR 25  
|||||  
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 12  
US-09-177-860A-26  
Sequence 26, Application US/09177860A  
Patent No. 6096506  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
APPLICANT: Lee, Se-Jin  
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR GROWTH DIFFERENTIATION FACTOR-8 AN  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Gray Cary Ware & Freidenrich LLP  
STREET: 4365 Executive Drive, Suite 1600  
CITY: San Diego  
STATE: CA  
COUNTRY: US  
ZIP: 92121  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FASTSEQ for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/177,860A  
FILING DATE: 23-OCT-1998  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/525,596  
FILING DATE: 19-SEP-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Hallie, Ph.D, Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/075003  
TELEPHONE: 858-677-1456  
TELEFAX: 858-677-1465  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-09-177-860A-26

Query Match 68.5%; Score 98; DB 3; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 6 ALRLQRPPEPSAHAFCHR 25  
|||||  
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 13  
US-08-624-635-18  
Sequence 18, Application US/08624635  
Patent No. 6204047  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
APPLICANT: Cunningham, No. 6204047een  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Spensley Horn Judas & Lubitz  
STREET: 1880 Century Park East, Suite 500  
CITY: Los Angeles  
STATE: California



COUNTRY: USA  
ZIP: 90067  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/624,635  
FILING DATE: 16-AUG-1996  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/134,078  
FILING DATE: 08-OCT-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Wetherell, Jr., Ph.D., John R.,  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: PD-3054  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 455-5100  
TELEFAX: (619) 455-5110  
INFORMATION FOR SEQ ID NO: 18:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-624-635-18

Query Match 68.5%; Score 98; DB 3; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAFAFCHR 25  
DB 1 ALRLQRPPEPSAFAFCHR 20

RESULT 14  
US-09-145-060-22  
Sequence 22, Application US/09145060  
Patent No. 6245896  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-jin  
APPLICANT: Huynh, Thanh  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson, P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/145,060  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/455,559  
FILING DATE: 31-MAY-1995  
APPLICATION NUMBER: 08/003,144  
FILING DATE: 12-JAN-1993

ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Haile, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/057001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619/678-5070  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 22:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
US-09-145-060-22

Query Match 68.5%; Score 98; DB 3; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAFAFCHR 25  
DB 1 ALRLQRPPEPSAFAFCHR 20

RESULT 15  
US-09-629-938-26  
Sequence 26, Application US/09629938  
Patent No. 650064  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
APPLICANT: Lee, Se-jin  
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR GROWTH DIFFERENTIATION  
FACTOR-8 AND METHODS OF USING SAME (Amended)  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Gray Cary Ware & Freidenrich LLP  
STREET: 4365 Executive Drive, Suite 1600  
CITY: San Diego  
STATE: CA  
COUNTRY: US  
ZIP: 92121  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/629,938  
FILING DATE: 01-AUG-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/177,860  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Haile, Ph.D., Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/075003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 858-677-1456  
TELEFAX: 858-677-1465  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122

SEQUENCE DESCRIPTION: SEQ ID NO: 26;  
US-09-629-938-26

Query Match 68.5%; Score 98; DB 4; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCNR 25  
|||  
1 ALRLQRPPEPSAHAFCNR 20

Search completed: December 5, 2003, 06:11:18  
Job time : 19 secs

GenCore version 5.1.6  
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OM protein - protein search, using sw model

Run on: December 5, 2003, 05:42:09 ; Search time 141 Seconds  
(without alignments)  
32.976 Million cell updates/sec

Title: US-09-913-524-9

Perfect score: 143  
Sequence: 1 PWSPALRLQRPEEPAHAFCHR 25

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 684280 seqs, 185983659 residues

Total number of hits satisfying chosen parameters: 684280

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database :

Published Applications AA:\*

- 1: /cgn2\_6/ptodata/1/pubpaa/US07\_PUBCOMB.pep.\*
- 2: /cgn2\_6/ptodata/1/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/1/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/1/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/1/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/1/pubpaa/PCTUS\_PUBCOMB.pep.\*
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- 10: /cgn2\_6/ptodata/1/pubpaa/US09B\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep.\*
- 12: /cgn2\_6/ptodata/1/pubpaa/US09\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/1/pubpaa/US10A\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/1/pubpaa/US10B\_PUBCOMB.pep.\*
- 15: /cgn2\_6/ptodata/1/pubpaa/US10C\_PUBCOMB.pep.\*
- 16: /cgn2\_6/ptodata/1/pubpaa/US10\_NEW\_PUB.pep.\*
- 17: /cgn2\_6/ptodata/1/pubpaa/US60\_NEW\_PUB.pep.\*
- 18: /cgn2\_6/ptodata/1/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	128	89.5	134	12	US-10-125-187-2
2	128	89.5	367	10	US-09-813-398-18
3	100	69.9	26	12	US-09-930-915A-252
4	100	69.9	26	12	US-10-082-014-74
5	100	69.9	26	12	US-10-372-076-75
6	98	68.5	122	10	US-09-813-459-18
7	98	68.5	122	10	US-09-859-211-44
8	98	68.5	122	10	US-09-880-708-22
9	98	68.5	122	11	US-09-872-856-44
10	98	68.5	122	11	US-10-335-483-26
11	94	65.7	121	14	US-10-115-406-18
12	94	65.7	121	15	US-10-154-333-20
13	73	51.0	14	12	US-10-125-187-5
14	73	51.0	14	12	US-10-125-187-38
15	70	49.0	14	12	US-10-125-187-39

16	68	47.6	14	12	US-10-125-187-7	Sequence 7, Appl1
17	68	47.6	14	12	US-10-125-187-37	Sequence 37, Appl1
18	68	47.6	14	12	US-10-125-187-41	Sequence 41, Appl1
19	67	46.9	14	12	US-10-125-187-6	Sequence 6, Appl1
20	67	46.9	14	12	US-10-125-187-40	Sequence 40, Appl1
21	60	42.0	14	12	US-10-125-187-8	Sequence 8, Appl1
22	60	42.0	14	12	US-10-125-187-42	Sequence 42, Appl1
23	56	39.2	14	12	US-10-125-187-4	Sequence 4, Appl1
24	56	39.2	14	12	US-10-125-187-36	Sequence 36, Appl1
25	55.5	38.8	1332	14	US-10-014-717-4	Sequence 4, Appl1
26	52.5	36.7	368	9	US-09-768-703-2	Sequence 2, Appl1
27	52.5	36.7	368	12	US-10-272-983-6	Sequence 6, Appl1
28	52.5	36.7	368	12	US-10-312-094-3	Sequence 3, Appl1
29	52.5	36.7	368	15	US-10-393-807-6	Sequence 6, Appl1
30	52.5	36.7	368	15	US-10-220-382-4	Sequence 4, Appl1
31	52.5	36.7	368	15	US-10-220-382-4	Sequence 4, Appl1
32	51	35.7	378	15	US-10-103-313-434	Sequence 434, App
33	51	35.7	1018	15	US-10-128-714-3585	Sequence 3585, Ap
34	51	35.7	1018	15	US-10-128-714-8585	Sequence 8585, Ap
35	50.5	35.3	2439	14	US-10-014-717-7	Sequence 7, Appl1
36	50	35.0	454	15	US-10-156-761-13939	Sequence 13939, A
37	49	34.3	50	10	US-09-998-667-11	Sequence 11, Appl1
38	49	34.3	92	12	US-10-195-730-363	Sequence 363, App
39	49	34.3	101	12	US-10-262-581-2	Sequence 2, Appl1
40	49	34.3	145	12	US-10-021-718-2	Sequence 2, Appl1
41	49	34.3	228	15	US-09-998-667-8	Sequence 8, Appl1
42	49	34.3	228	15	US-10-205-823-455	Sequence 455, App
43	49	34.3	231	9	US-09-925-301-1306	Sequence 1306, Ap
44	49	34.3	231	10	US-09-764-864-837	Sequence 837, App
45	49	34.3	231	10	US-09-764-864-1292	Sequence 1292, Ap

#### ALIGNMENTS

RESULT 1  
US-10-125-187-2  
; Sequence 2, Application US/10125187  
; Publication No. US20030162229A1  
; GENERAL INFORMATION:  
; APPLICANT: MILNE-ROBERTSON, David M.  
; APPLICANT: STANTON, Peter G.  
; APPLICANT: CAHR, Nicholas F.  
; TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENT  
; TITLE OF INVENTION: METHODS OF USING SAME  
; FILE REFERENCE: 10338-9  
; CURRENT APPLICATION NUMBER: US/10/125,187  
; CURRENT FILING DATE: 2002-04-18  
; PRIOR APPLICATION NUMBER: PCT/AU00/01248  
; PRIOR FILING DATE: 2000-10-18  
; PRIOR APPLICATION NUMBER: AU PQ 9162  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: AU PQ 3485  
; PRIOR FILING DATE: 1999-10-18  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 134  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: alpha C fragment of human inhibin  
; US-10-125-187-2

Query Match 89.5%; Score 128; DB 12; Length 134;  
Best Local Similarity 88.0%; Pred. No. 6.5e-09;  
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PWSPALRLQRPEEPAHAFCHR 25  
DB 8 PWSPALRLQRPEEPAHAFCHR 32

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RESULT 2
US-09-813-398-18
; Sequence 18, Application US/09813398
; Patent No. US20020169292A1
; GENERAL INFORMATION:
; APPLICANT: Bruce D. Weintrub
; APPLICANT: Mariusz W. Szkulinski
; APPLICANT: University of Maryland
; TITLE OF INVENTION: CYSTINE KNOT GROWTH FACTOR MUTANTS
; FILE REFERENCE: UOFPD.003C1
; CURRENT APPLICATION NUMBER: US/09/813.398
; CURRENT FILING DATE: 2001-03-20
; PRIOR APPLICATION NUMBER: PCT/US99/05908
; PRIOR FILING DATE: 1999-03-19
; PRIOR APPLICATION NUMBER: PCT/US98/19772
; PRIOR FILING DATE: 1998-09-22
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 367
; TYPE: PRT
; ORGANISM: HOMO SAPIEN
US-09-813-398-18

Query Match      89.5%; Score 128; DB 10; Length 367;
Best Local Similarity 88.0%; Pred. No. 1.7e-08;
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY      1 PMSPALRLQRPPEPSAHC 25
Db      241 PMSPALRLQRPPEPSAHC 265

RESULT 3
US-09-930-915A-252
; Sequence 252, Application US/09930915A
; Publication No. US20030138769A1
; GENERAL INFORMATION:
; APPLICANT: Birkett, Ashley J.
; TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES HAVING ENHANCED
; FILE REFERENCE: 4564/83501 ICC-102.2 PCT
; CURRENT APPLICATION NUMBER: US/09/930.915A
; CURRENT FILING DATE: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/226,867
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,843
; PRIOR FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 313
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 252
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Bos taurus
US-09-930-915A-252

Query Match      69.9%; Score 100; DB 12; Length 26;
Best Local Similarity 94.7%; Pred. No. 5e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 PMSPALRLQRPPEPSA 19
Db      8 PMSPALRLQRPPEPSA 26

RESULT 4
US-10-082-014-74
; Sequence 74, Application US/10082014
; Publication No. US20030185858A1
; GENERAL INFORMATION:
; APPLICANT: Birkett, Ashley J.
; TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL CY
; FILE REFERENCE: ICC-130.0 4564/85124
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US-10-082-014-74
; CURRENT APPLICATION NUMBER: US/10/082,014
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 09/930,915
; PRIOR FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 290
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 74
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Bovine Inhibin
US-10-082-014-74

Query Match      69.9%; Score 100; DB 12; Length 26;
Best Local Similarity 94.7%; Pred. No. 5e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 PMSPALRLQRPPEPSA 19
Db      8 PMSPALRLQRPPEPSA 26

RESULT 5
US-10-372-076-75
; Sequence 75, Application US/10372076
; Publication No. US20030198645A1
; GENERAL INFORMATION:
; APPLICANT: Friede, Martin
; TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
; FILE REFERENCE: 4564/87179
; CURRENT APPLICATION NUMBER: US/10/372,076
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: 10/080,299
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: 10/082,014
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 308
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 75
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Bovine Inhibin
US-10-372-076-75

Query Match      69.9%; Score 100; DB 12; Length 26;
Best Local Similarity 94.7%; Pred. No. 5e-06;
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      1 PMSPALRLQRPPEPSA 19
Db      8 PMSPALRLQRPPEPSA 26

RESULT 6
US-09-813-459-18
; Sequence 18, Application US/09813459
; Patent No. US20020107369A1
; GENERAL INFORMATION:
; APPLICANT: Lee, Se-jin
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10
; NUMBER OF SEQUENCES: 26
; CORRESPONDENCE ADDRESS:
; ADDRESS: Spensley Horn Jubas & Lubitz
; STREET: 1880 Century Park East, Suite 500
; CITY: Los Angeles
; STATE: California
; COUNTRY: USA
; ZIP: 90067
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/813,459
FILING DATE: 20-Mar-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/624,635
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Wetherell, Jr., Ph.D., John R.,
REGISTRATION NUMBER: 31,678
REFERENCE/DOCKET NUMBER: PD-3054
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 455-5100
TELEFAX: (619) 455-5110
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 122 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
IMMEDIATE SOURCE:
CLONE: Inhibin-alpha
FEATURE:
NAME/KEY: Protein
LOCATION: 1..122
SEQUENCE DESCRIPTION: SEQ ID NO: 18:
US-09-813-459-18

Query Match      68.5%; Score 98; DB 10; Length 122;
Best Local Similarity 90.0%; Pred. No. 3.9e-05;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      6 ALRLQRPPEPSAHAFCHR 25
        |||||
Db      1 ALRLQRPPEPSAHAFCHR 20

RESULT 7
US-09-859-211-44
; Sequence 44, Application US/09859211
; Patent No. US20020157125A1
; GENERAL INFORMATION:
; APPLICANT: Lee, Se-jin
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
; FILE REFERENCE: 07265/144001
; CURRENT APPLICATION NUMBER: US/09/859,211
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/019,070
; FILING DATE: 1998-02-05
; PRIOR APPLICATION NUMBER: 08/862,445
; FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 08/847,910
; FILING DATE: 1997-04-28
; PRIOR APPLICATION NUMBER: 08/795,071
; FILING DATE: 1997-02-05
; PRIOR APPLICATION NUMBER: 08/525,596
; FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: PCT/US94/03019
; FILING DATE: 1994-03-18
; PRIOR APPLICATION NUMBER: 08/033,923
; FILING DATE: 1993-03-19
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 122
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-859-211-44
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Query Match      68.5%; Score 98; DB 10; Length 122;
Best Local Similarity 90.0%; Pred. No. 3.9e-05;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      6 ALRLQRPPEPSAHAFCHR 25
        |||||
Db      1 ALRLQRPPEPSAHAFCHR 20

RESULT 8
US-09-880-708-22
; Sequence 22, Application US/09880708
; Patent No. US20020165361A1
; GENERAL INFORMATION:
; APPLICANT: Lee, Se-jin
; HUYNH, THANH
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Gray Cary Ware & Freidenrich LLP
; STREET: 4365 Executive Drive, Suite 1600
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92121-2189
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/880,708
; FILING DATE: 12-Jun-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/145,060
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/003,144
; FILING DATE: 12-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Lisa A. Haller, Ph.D.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07265/057002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 858/577-1456
; TELEFAX: 619/677-1465
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 122 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; IMMEDIATE SOURCE:
; CLONE: Inhibit-alpha
; SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-880-708-22

Query Match      68.5%; Score 98; DB 10; Length 122;
Best Local Similarity 90.0%; Pred. No. 3.9e-05;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      6 ALRLQRPPEPSAHAFCHR 25
        |||||
Db      1 ALRLQRPPEPSAHAFCHR 20

RESULT 9
US-09-872-856-44
; Sequence 44, Application US/09872856
; Publication No. US20030074680A1
; GENERAL INFORMATION:
; APPLICANT: Johns Hopkins University School of Medicine
; APPLICANT: Lee, Se-jin
; APPLICANT: McPherron, Alexandra
```

TITLE OF INVENTION: Growth Differentiation Factor-8  
FILE REFERENCE: JH01120-17  
CURRENT APPLICATION NUMBER: US/09/872,856  
CURRENT FILING DATE: 2001-06-01  
PRIOR APPLICATION NUMBER: US 09/124,180  
PRIOR FILING DATE: 1998-07-28  
PRIOR APPLICATION NUMBER: US 09/019,070  
PRIOR FILING DATE: 1998-02-05  
PRIOR APPLICATION NUMBER: US 08/862,445  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: US 08/847,910  
PRIOR FILING DATE: 1997-04-28  
PRIOR APPLICATION NUMBER: US 08/795,071  
PRIOR FILING DATE: 1997-02-05  
PRIOR APPLICATION NUMBER: US 08/525,536  
PRIOR FILING DATE: 1995-10-25  
PRIOR APPLICATION NUMBER: PCT/US 94/03019  
PRIOR FILING DATE: 1994-03-18  
PRIOR APPLICATION NUMBER: US 08/033,923  
PRIOR FILING DATE: 1993-03-19  
NUMBER OF SEQ ID NOS: 53  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 44  
LENGTH: 122  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-872-856-44

Query Match 68.5%; Score 98; DB 11; Length 122;  
Best Local Similarity 90.0%; Pred. No. 3.9e-05;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25  
|||||:|||||  
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 10  
US-10-335-483-26  
Sequence 26, Application US/10335483  
Publication No. US20030120058A1  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
Lee, Se-Jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/335,483  
FILING DATE: 31-Dec-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/177,860  
FILING DATE: <Unknown>  
APPLICATION NUMBER: 08/525,596  
FILING DATE: 19-SEP-1995  
APPLICATION NUMBER: PCT/US94/07762  
FILING DATE: 08-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Wetherell, Jr., Ph.D, John R.  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: 07265/075001

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619-678-5070  
TELEFAX: 619-678-5099  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
SEQUENCE DESCRIPTION: SEQ ID NO: 26:  
US-10-335-483-26

Query Match 68.5%; Score 98; DB 15; Length 122;  
Best Local Similarity 90.0%; Pred. No. 3.9e-05;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25  
|||||:|||||  
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 11  
US-10-115-406-18  
Sequence 18, Application US/10115406  
Publication No. US20020127612A1  
GENERAL INFORMATION:  
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE  
LEE, Se-Jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-9  
FILE REFERENCE: JH01190-3  
CURRENT APPLICATION NUMBER: US/10/115,406  
CURRENT FILING DATE: 2002-04-02  
PRIOR APPLICATION NUMBER: 09/301,520  
PRIOR FILING DATE: 1999-04-28  
PRIOR APPLICATION NUMBER: US 09/172,062  
PRIOR FILING DATE: 1998-10-13  
PRIOR APPLICATION NUMBER: US 08/491,835  
PRIOR FILING DATE: 1995-10-23  
PRIOR APPLICATION NUMBER: PCT/US94/00685  
PRIOR FILING DATE: 1994-01-12  
PRIOR APPLICATION NUMBER: US 08/003,303  
PRIOR FILING DATE: 1993-01-12  
NUMBER OF SEQ ID NOS: 28  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 18  
LENGTH: 121  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-115-406-18

Query Match 65.7%; Score 94; DB 14; Length 121;  
Best Local Similarity 89.5%; Pred. No. 0.00012;  
Matches 17; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 7 LRLQRPPEPSAHAFCHR 25  
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Db 1 LRLQRPPEPSAHAFCHR 19

RESULT 12  
US-10-154-333-20  
Sequence 20, Application US/10154333  
Publication No. US20030109684A1  
GENERAL INFORMATION:  
APPLICANT: JOHNS HOPKINS UNIVERSITY  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-3  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:

```

; ADDRESSER: SPENSLEY HORN JUBAS & LUBITZ
; STREET: 1880 CENTURY PARK EAST, FIFTH FLOOR
; CITY: LOS ANGELES
; STATE: CALIFORNIA
; COUNTRY: US
; ZIP: 90067
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
;
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/154,333
; FILING DATE: 21-May-2002
; CLASSIFICATION: <Unknown>
;
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/389,705
; FILING DATE: 03-Sep-1999
; APPLICATION NUMBER: 09/153,733
; FILING DATE: <Unknown>
;
; ATTORNEY/AGENT INFORMATION:
; NAME: WETHERELL, JR. Ph.D., JOHN R.
; REGISTRATION NUMBER: 31,678
; REFERENCE/DOCKET NUMBER: FD2279 PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 455-5100
; TELEFAX: (619) 455-5110
;
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 121 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; IMMEDIATE SOURCE:
; CLONE: Inhibin alpha
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..121
; SEQUENCE DESCRIPTION: SEQ ID NO: 20:
;
; US-10-154-333-20
;
; Query Match 65.7%; Score 94; DB 15; Length 121;
; Best Local Similarity 89.5%; Pred. No. 0.00012;
; Matches 17; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
;
; QY 7 LRLQRPPEPSAHAFCHR 25
; DB 1 LRLQRPPEPSAHAFCHR 19
;
; RESULT 13
; US-10-125-187-5
; Sequence 5, Application US/10125187
; Publication No. US20030162229A1
; GENERAL INFORMATION:
; APPLICANT: MILNE-ROBERTSON, David M.
; APPLICANT: STANTON, Peter G.
; APPLICANT: CAHR, Nicholas F.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENT
; FILE REFERENCE: 10338-9
; CURRENT APPLICATION NUMBER: US/10/125,187
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: PCT/AU00/01248
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: AU PQ 9162
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: AU PQ 3485
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 5

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```

; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 5 of
; US-10-125-187-5
;
; Query Match 51.0%; Score 73; DB 12; Length 14;
; Best Local Similarity 92.9%; Pred. No. 0.0075;
; Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
;
; QY 2 WSPALRLQRPPE 15
; DB 1 WSPALRLQRPPE 14
;
; RESULT 14
; US-10-125-187-38
; Sequence 38, Application US/10125187
; Publication No. US20030162229A1
; GENERAL INFORMATION:
; APPLICANT: MILNE-ROBERTSON, David M.
; APPLICANT: STANTON, Peter G.
; APPLICANT: CAHR, Nicholas F.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENT
; FILE REFERENCE: 10338-9
; CURRENT APPLICATION NUMBER: US/10/125,187
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: PCT/AU00/01248
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: AU PQ 9162
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: AU PQ 3485
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: Patentin version 3.1
; SEQ ID NO 38
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 5 of
; US-10-125-187-38
;
; Query Match 51.0%; Score 73; DB 12; Length 14;
; Best Local Similarity 92.9%; Pred. No. 0.0075;
; Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
;
; QY 2 WSPALRLQRPPE 15
; DB 1 WSPALRLQRPPE 14
;
; RESULT 15
; US-10-125-187-39
; Sequence 39, Application US/10125187
; Publication No. US20030162229A1
; GENERAL INFORMATION:
; APPLICANT: MILNE-ROBERTSON, David M.
; APPLICANT: STANTON, Peter G.
; APPLICANT: CAHR, Nicholas F.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENT
; FILE REFERENCE: 10338-9
; CURRENT APPLICATION NUMBER: US/10/125,187
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: PCT/AU00/01248
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: AU PQ 9162
; PRIOR FILING DATE: 2000-08-03
;

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; PRIOR APPLICATION NUMBER: AU PQ 3485  
 ; PRIOR FILING DATE: 1999-10-18  
 ; NUMBER OF SEQ ID NOS: 77  
 ; SOFTWARE: PatentIn version 3.1  
 ; SEQ ID NO 39  
 ; LENGTH: 14  
 ; TYPE: PRT  
 ; ORGANISM: Artificial Sequence  
 ; FEATURE:  
 ; OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 6 of  
 ; OTHER INFORMATION: TABLE 7  
 US-10-125-187-39

Query Match 49.0%; Score 70; DB 12; Length 14;  
 Best Local Similarity 92.9%; Pred. No. 0.018;  
 Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 4 PAALRLQRPPEP 17  
 | : |||||  
 Db 1 PSALRLQRPPEP 14

Search completed: December 5, 2003, 06:24:56  
 Job time : 141 secs



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## OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 02:47:47 ; Search time 37.6899 Seconds  
(without alignments)  
398.171 Million cell updates/sec

Title: US-09-913-524-32

Sequence: 1 aggcctccgaggaaccgctgccatgcccaact 34

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0  
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

## Database :

Issued Patents NA:\*  
1: /cgn2\_6/prodata/1/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/prodata/1/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/prodata/1/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/prodata/1/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/prodata/1/ina/PCTUS\_COMB.seq:\*  
6: /cgn2\_6/prodata/1/ina/backfillseq1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length DB	ID	Description
1	34	100.0	1237	1	US-08-197-792-40 Sequence 40, Appl
2	34	100.0	1237	1	US-08-459-850-40 Sequence 40, Appl
3	34	100.0	1237	1	US-08-459-214-40 Sequence 40, Appl
4	24.4	71.8	1343	1	US-08-197-792-30 Sequence 30, Appl
5	24.4	71.8	1343	1	US-08-459-850-30 Sequence 30, Appl
6	24.4	71.8	1343	1	US-08-459-214-30 Sequence 30, Appl
7	21.8	64.1	915	4	US-09-252-991A-14968 Sequence 14968, A
8	21.8	64.1	1011	4	US-09-252-991A-14782 Sequence 14782, A
9	20.2	59.4	1812	4	US-09-008-097-5 Sequence 5, Appl
10	20.2	59.4	3549	4	US-09-008-097-5 Sequence 5, Appl
11	20.2	59.4	4046	1	US-07-793-961A-1 Sequence 1, Appl
12	20.2	59.4	4046	1	US-08-240-357-1 Sequence 1, Appl
13	20.2	59.4	4131	3	US-08-726-214-11 Sequence 11, Appl
14	20.2	59.4	4942	4	US-08-474-076-1 Sequence 1, Appl
15	20.2	59.4	40123	4	US-08-311-731A-137 Sequence 137, Appl
16	19.6	57.6	4079	4	US-09-016-434-1412 Sequence 1412, Ap
17	19.4	57.1	47981	4	US-09-679-279-1 Sequence 1, Appl
18	19.2	56.5	1386	4	US-09-252-991A-9780 Sequence 9780, Ap
19	19	55.9	1500	5	PCT-US95-05966-1 Sequence 1, Appl
20	19	55.9	1500	5	PCT-US95-05966-1 Sequence 1, Appl
21	18.8	55.3	951	4	US-09-252-991A-16386 Sequence 16386, A
22	18.8	55.3	1092	4	US-09-252-991A-16212 Sequence 16212, A
23	18.8	55.3	1311	4	US-09-252-991A-16493 Sequence 16493, A
24	18.8	55.3	1376	4	US-09-443-184-44 Sequence 44, Appl
25	18.8	55.3	1330	4	US-09-205-258-124 Sequence 124, Appl
26	18.8	55.3	1530	4	US-09-252-991A-16005 Sequence 16005, A
27	18.8	55.3	4648	4	US-09-620-312D-464 Sequence 464, App

28	18.6	54.7	516	5	PCT-US95-02795A-3 Sequence 3, Appl
29	18.6	54.7	521	1	US-08-481-633B-1 Sequence 1, Appl
30	18.6	54.7	521	1	US-08-480-493A-1 Sequence 1, Appl
31	18.6	54.7	521	1	US-08-482-638A-1 Sequence 1, Appl
32	18.6	54.7	531	5	PCT-US95-02795A-1 Sequence 1, Appl
33	18.6	54.7	840	4	US-09-529-727-1 Sequence 1, Appl
34	18.6	54.7	1059	4	US-09-252-991A-7911 Sequence 7911, Ap
35	18.6	54.7	1338	4	US-09-252-991A-7764 Sequence 7764, Ap
36	18.6	54.7	1494	4	US-09-252-991A-7568 Sequence 7568, Ap
37	18.6	54.7	4473	3	US-08-894-173-1 Sequence 1, Appl
38	18.6	54.7	4473	3	US-09-398-193-1 Sequence 1, Appl
39	18.6	54.7	45546	4	US-09-146-053-6 Sequence 6, Appl
40	18.4	54.1	176	4	US-09-397-787-331 Sequence 331, Appl
41	18.4	54.1	613	2	US-08-658-639-11 Sequence 11, Appl
42	18.4	54.1	613	3	US-08-944-604-11 Sequence 11, Appl
43	18.4	54.1	903	3	US-08-944-604-15 Sequence 15, Appl
44	18.4	54.1	1607	4	US-09-853-768-13 Sequence 13, Appl
45	18.4	54.1	2497	4	US-09-396-149-1 Sequence 1, Appl

## ALIGNMENTS

RESULT 1  
US-08-197-792-40  
Sequence 40, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESS: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1237 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-40

Query Match 100.0%; Score 34; DB 1; Length 1237;  
Best Local Similarity 100.0%; Pred. No. 0.00059;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGGAAACCGGCTGCCCATGCCCACT 34  
DB 708 AGGCTCCGAGGAAACCGGCTGCCCATGCCCACT 741

## RESULT 2

US-08-459-850-40  
Sequence 40, Application US/08459850  
Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459, 850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1237 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-40

Query Match 100.0%; Score 34; DB 1; Length 1237;  
Best Local Similarity 100.0%; Pred. No. 0.00059;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGGAAACCGGCTGCCCATGCCCACT 34  
DB 708 AGGCTCCGAGGAAACCGGCTGCCCATGCCCACT 741

## RESULT 3

US-08-459-214-40  
Sequence 40, Application US/08459214  
Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459, 214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1237 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-40

Query Match 100.0%; Score 34; DB 1; Length 1237;  
Best Local Similarity 100.0%; Pred. No. 0.00059;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAGACCGGCTGCCATGCCACT 34  
Db 708 AGGCTCCGAGAGACCGGCTGCCATGCCACT 741

RESULT 4  
US-08-197-792-30  
Sequence 30, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
CLASSIFICATION: 435  
FILING DATE: 16-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1343 bases  
TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-30

Query Match 71.8%; Score 24.4; DB 1; Length 1343;  
Best Local Similarity 82.4%; Pred. No. 1.7;  
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAGACCGGCTGCCATGCCACT 34  
Db 816 AGGCTCCGAGAGACCGGCTGCCATGCCACT 849

RESULT 5  
US-08-459-850-30  
Sequence 30, Application US/08459850  
Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptides  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
CLASSIFICATION: 435  
FILING DATE: 02-JUN-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1343 bases  
TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-30

Query Match 71.8%; Score 24.4; DB 1; Length 1343;  
Best Local Similarity 82.4%; Pred. No. 1.7;  
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACCGGCTGCCATGCCACT 34  
DB 816 AGGCCCCGAGAACCGGCTGTGCAAGCGGACT 849

RESULT 6  
US-08-459-214-30  
Sequence 30, Application US/08459214

PATENT No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214

FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792

FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:  
NAME: Hasek, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 2972D6

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 30:

SEQUENCE CHARACTERISTICS:  
LENGTH: 1343 bases

TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-30

Query Match 71.8%; Score 24.4; DB 1; Length 1343;  
Best Local Similarity 82.4%; Pred. No. 1.7;  
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACCGGCTGCCATGCCACT 34  
DB 816 AGGCCCCGAGAACCGGCTGTGCAAGCGGACT 849

RESULT 7  
US-09-252-991A-14968/C  
Sequence 14968, Application US/09252991A

PATENT No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 107196.136  
CURRENT FILING DATE: US/09/252,991A  
PRIOR FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 14968  
LENGTH: 915  
TYPE: DNA  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-14968

Query Match 64.1%; Score 21.8; DB 4; Length 915;  
Best Local Similarity 78.8%; Pred. No. 15;  
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGAACCGGCTGCCATGCCACT 34  
DB 561 GGCCTCCGAGAACCGGCTGCCATGCCACT 529

RESULT 8

US-09-252-991A-14782

Sequence 14782, Application US/09252991A

PATENT No. 6551795

GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS

TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 107196.136

CURRENT FILING DATE: US/09/252,991A

PRIOR FILING DATE: 1999-02-18

PRIOR APPLICATION NUMBER: US 60/074,788

PRIOR FILING DATE: 1998-02-18

PRIOR APPLICATION NUMBER: US 60/094,190

PRIOR FILING DATE: 1998-07-27

NUMBER OF SEQ ID NOS: 33142

SEQ ID NO 14782

LENGTH: 1011

TYPE: DNA

ORGANISM: Pseudomonas aeruginosa

US-09-252-991A-14782

Query Match 64.1%; Score 21.8; DB 4; Length 1011;  
Best Local Similarity 78.8%; Pred. No. 15;  
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGAACCGGCTGCCATGCCACT 34  
DB 376 GGCCTCCGAGAACCGGCTGCCATGCCACT 408

RESULT 9  
US-09-008-097-3  
; Sequence 3, Application US/09008097  
; Patent No. 6306830  
; GENERAL INFORMATION:  
; APPLICANT: Hammond, H. Kirk  
; APPLICANT: Insel, Paul A.  
; APPLICANT: Ping, Peipei  
; APPLICANT: Post, Steven R.  
; TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE  
; TITLE OF INVENTION: HEART FAILURE  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORRISON & FOERSTER  
; STREET: 755 PAGE MILL ROAD  
; CITY: PALO ALTO  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304-1018  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEO for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/008,097  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Dylan, Tyler M  
; REGISTRATION NUMBER: 37,612  
; REFERENCE/DOCKET NUMBER: 22000-20567.21  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-813-5600  
; TELEFAX: 650-494-0792  
; TELEX: 706141  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1812 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: double  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: Coding Sequence  
; LOCATION: 1..1812  
; OTHER INFORMATION:  
US-09-008-097-3  
Query Match 59.4%; Score 20.2; DB 4; Length 1812;  
Best Local Similarity 75.8%; Pred. No. 58;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGCTCCGGAGAACCGCTGCCCATGCCCACT 34  
Db 668 GGCTCCGGAGAACCGCTGCCCATGCCCACT 700

RESULT 10  
US-09-008-097-5  
; Sequence 5, Application US/09008097  
; Patent No. 6306830  
; GENERAL INFORMATION:  
; APPLICANT: Hammond, H. Kirk  
; APPLICANT: Insel, Paul A.  
; APPLICANT: Ping, Peipei  
; APPLICANT: Post, Steven R.  
; APPLICANT: Gao, Meihua

; TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE  
; TITLE OF INVENTION: HEART FAILURE  
; NUMBER OF SEQUENCES: 9  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: MORRISON & FOERSTER  
; STREET: 755 PAGE MILL ROAD  
; CITY: PALO ALTO  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304-1018  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSEO for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/008,097  
; FILING DATE:  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Dylan, Tyler M  
; REGISTRATION NUMBER: 37,612  
; REFERENCE/DOCKET NUMBER: 22000-20567.21  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-813-5600  
; TELEFAX: 650-494-0792  
; TELEX: 706141  
; INFORMATION FOR SEQ ID NO: 5:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 3549 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; FEATURE:  
; NAME/KEY: Coding Sequence  
; LOCATION: 1..3501  
; OTHER INFORMATION:  
US-09-008-097-5  
Query Match 59.4%; Score 20.2; DB 4; Length 3549;  
Best Local Similarity 75.8%; Pred. No. 59;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGCTCCGGAGAACCGCTGCCCATGCCCACT 34  
Db 1301 GGCTCCGGAGAACCGCTGCCCATGCCCACT 1333

RESULT 11  
US-07-793-961A-1  
; Sequence 1, Application US/07793961A  
; Patent No. 5334521  
; GENERAL INFORMATION:  
; APPLICANT: Yoshihiro Ishikawa  
; TITLE OF INVENTION: Cloning and Character-  
; TITLE OF INVENTION: Iization of a Cardiac Adenylyl Cyclase  
; NUMBER OF SEQUENCES: 1  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Alan M. Gordon  
; ADDRESSEE: American Cyanamid Company  
; STREET: 1937 West Main Street,  
; STREET: P.O. Box 60  
; CITY: Stamford  
; STATE: Connecticut  
; COUNTRY: USA  
; ZIP: 06904  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy Disk  
; COMPUTER: IBM PC AT  
; OPERATING SYSTEM: MS-DOS

SOFTWARE: ASCII from DM4  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/793,961A  
FILING DATE: 19911118  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Gordon, Alan M.  
REGISTRATION NUMBER: 30,637  
REFERENCE/DOCKET NUMBER: 31,705  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 203 321 2719  
TELEFAX: 203 321 2971  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4046 base pairs listed  
TYPE: NUCLEIC ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-07-793-961A-1

Query Match 59.4%; Score 20.2; DB 1; Length 4046;  
Best Local Similarity 75.8%; Pred. No. 59;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCTCCGAGGAGAACCGGCTGCCCATGCCCACT 34  
Db 1428 GGCTGCCGAGAGCCCGGAGCAGACCATGCCCACT 1460

RESULT 12  
US-08-240-357-1  
Sequence 1, Application US/08240357  
Patent No. 5578481  
GENERAL INFORMATION:  
APPLICANT: Ishikawa, Yoshihiro  
TITLE OF INVENTION: Cloning and Characterization of a  
TITLE OF INVENTION: Cardiac Adenylyl Cyclase  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: American Cyanamid Company  
STREET: One Cyanamid Plaza  
CITY: Wayne  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07470-8426  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/240,357  
FILING DATE: 10-MAY-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Gordon, Alan M.  
REGISTRATION NUMBER: 30,637  
REFERENCE/DOCKET NUMBER: 31,705-01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-831-3244  
TELEFAX: 201-831-3305  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4046 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)

FEATURE:  
NAME/KEY: CDS  
LOCATION: 131..3625  
US-08-240-357-1

Query Match 59.4%; Score 20.2; DB 1; Length 4046;  
Best Local Similarity 75.8%; Pred. No. 59;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCTCCGAGGAGAACCGGCTGCCCATGCCCACT 34  
Db 1428 GGCTGCCGAGAGCCCGGAGCAGACCATGCCCACT 1460

RESULT 13  
US-08-726-214-11  
Sequence 11, Application US/08726214  
Patent No. 6107076  
GENERAL INFORMATION:  
APPLICANT: Tang, Wei-Jen  
APPLICANT: Gilman, Alfred G.  
TITLE OF INVENTION: SOLUBLE MAMMALIAN ADENYLYL CYCLASE  
TITLE OF INVENTION: AND USES THEREFOR  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Arnold, White & Durkee  
STREET: P.O. Box 4433  
CITY: Houston  
STATE: Texas  
COUNTRY: United States of America  
ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/726,214  
FILING DATE: Concurrently Herewith  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/005,498  
FILING DATE: 04-OCT-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Highlander, Steven L.  
REGISTRATION NUMBER: 37,642  
REFERENCE/DOCKET NUMBER: UTSD:450  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (512) 474-7577  
TELEFAX: (512) 418-3000  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4131 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-726-214-11

Query Match 59.4%; Score 20.2; DB 3; Length 4131;  
Best Local Similarity 75.8%; Pred. No. 59;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCTCCGAGGAGAACCGGCTGCCCATGCCCACT 34  
Db 1353 GGCTGCCGAGAGCCCGGAGCAGACCATGCCCACT 1385

RESULT 14  
US-09-474-076-1  
Sequence 1, Application US/09474076  
Patent No. 6465237  
GENERAL INFORMATION:  
APPLICANT: Tomlinson, James E.

APPLICANT: COR Therapeutics, Inc.  
TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF A HUMAN ADENYLYL  
FILE REFERENCE: 44481-5028-01-US  
CURRENT APPLICATION NUMBER: US/09/474,076  
CURRENT FILING DATE: 1999-12-12  
PRIOR APPLICATION NUMBER: PCT/US98/13694  
PRIOR FILING DATE: 1998-07-01  
PRIOR APPLICATION NUMBER: 60/070,904  
PRIOR FILING DATE: 1997-07-01  
PRIOR APPLICATION NUMBER: 08/886,550  
PRIOR FILING DATE: 1997-07-01  
NUMBER OF SEQ ID NOS: 2  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO: 1  
LENGTH: 4942  
TYPE: DNA  
ORGANISM: human type VI adenyl cyclase  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (145)..(3648)  
US-09-474-076-1

Query Match 59.4%; Score 20.2; DB 4; Length 4942;  
Best Local Similarity 75.8%; Pred. No. 59;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGGAGACCGGCTGCCATGCCCACT 34  
DB 1448 GGCCTCCGAGGAGACCGGCTGCCATGCCCACT 1480

RESULT 15  
US-08-311-731A-137/C  
Sequence 137, Application US/08311731A  
Patent No. 6583266  
GENERAL INFORMATION:  
APPLICANT: SMITH, DOUGLAS  
APPLICANT: MOO, JEN-I  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES  
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR  
NUMBER OF SEQUENCES: 411  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.  
STREET: 600 ATLANTIC AVENUE  
CITY: BOSTON  
STATE: MASSACHUSETTS  
COUNTRY: USA  
ZIP: 02210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/311,731A  
FILING DATE:  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: GATES, EDWARD R.  
REGISTRATION NUMBER: 31,616  
REFERENCE/DOCKET NUMBER: C0044/7125  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617/720-3500  
TELEFAX: 617/720-2441  
INFORMATION FOR SEQ ID NO: 137:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 40123 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)

HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Mycobacterium leprae  
US-08-311-731A-137

Query Match 59.4%; Score 20.2; DB 4; Length 40123;  
Best Local Similarity 75.8%; Pred. No. 62;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGGAGACCGGCTGCCATGCCCACT 34  
DB 16258 GGCCTCCGAGGAGACCGGCTGCCATGCCCACT 16226

Search completed: December 5, 2003, 03:08:13  
Job time: 38.6899 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 03:03:18 ; Search time 455.969 Seconds  
(without alignments)  
247.829 Million cell updates/sec

Title: US-09-913-524-32

Perfect score: 34  
Sequence: 1 aggcctccgaggaaccgctgccatgcccaact 34

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 2201672 seqs, 1661799599 residues

Total number of hits satisfying chosen parameters: 4403344

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Maximum Match 100%

Listing first 45 summaries

Database : Published Applications NA:\*

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2: /cgn2\_6/prodata/1/pubpna/PCT\_NEW\_PUB.seq:\*  
3: /cgn2\_6/prodata/1/pubpna/US06\_NEW\_PUB.seq:\*  
4: /cgn2\_6/prodata/1/pubpna/US06\_PUBCOMB.seq:\*  
5: /cgn2\_6/prodata/1/pubpna/US07\_NEW\_PUB.seq:\*  
6: /cgn2\_6/prodata/1/pubpna/PCUS\_PUBCOMB.seq:\*  
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10: /cgn2\_6/prodata/1/pubpna/US09\_PUBCOMB.seq:\*  
11: /cgn2\_6/prodata/1/pubpna/US09\_PUBCOMB.seq:\*  
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13: /cgn2\_6/prodata/1/pubpna/US10\_PUBCOMB.seq:\*  
14: /cgn2\_6/prodata/1/pubpna/US10\_PUBCOMB.seq:\*  
15: /cgn2\_6/prodata/1/pubpna/US10\_NEW\_PUB.seq:\*  
16: /cgn2\_6/prodata/1/pubpna/US60\_NEW\_PUB.seq:\*  
17: /cgn2\_6/prodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	34	100.0	405	12	US-10-125-187-1
2	34	100.0	1429	12	US-09-971-392-18
3	34	100.0	3422	11	US-09-764-891-6046
4	34	100.0	3422	11	US-09-764-891-6046
5	34	100.0	3422	14	US-10-091-438-271
6	34	100.0	3422	14	US-10-091-438-271
7	21.8	64.1	918	14	US-10-127-032-41
8	21	61.8	1799	12	US-10-120-988-36
9	20.4	60.0	247	14	US-09-796-692-3875
10	20.4	60.0	1125	14	US-10-040-862-3875
11	20.4	60.0	1125	14	US-09-925-300-674
12	20.4	60.0	2542	12	US-10-094-749-380
13	20.4	60.0	6109	12	US-09-795-061-1
14	20.2	59.4	226	12	US-10-029-386-19884
15	20.2	59.4	500	12	US-10-029-386-19884
16	20.2	59.4	1812	10	US-09-750-240-3

17	20.2	59.4	3192	12	US-10-137-870-75	Sequence 75, Appl
18	20.2	59.4	3192	12	US-10-140-018-75	Sequence 75, Appl
19	20.2	59.4	3192	12	US-10-140-021-75	Sequence 75, Appl
20	20.2	59.4	3192	12	US-10-140-021-75	Sequence 75, Appl
21	20.2	59.4	3192	12	US-10-140-471-75	Sequence 75, Appl
22	20.2	59.4	3192	12	US-10-140-807-75	Sequence 75, Appl
23	20.2	59.4	3192	12	US-10-140-924-75	Sequence 75, Appl
24	20.2	59.4	3192	12	US-10-140-924-75	Sequence 75, Appl
25	20.2	59.4	3192	12	US-10-140-924-75	Sequence 75, Appl
26	20.2	59.4	3192	12	US-10-141-698-75	Sequence 75, Appl
27	20.2	59.4	3192	12	US-10-141-702-75	Sequence 75, Appl
28	20.2	59.4	3192	12	US-10-141-704-75	Sequence 75, Appl
29	20.2	59.4	3192	12	US-10-142-421-75	Sequence 75, Appl
30	20.2	59.4	3192	12	US-10-142-432-75	Sequence 75, Appl
31	20.2	59.4	3192	12	US-10-142-767-75	Sequence 75, Appl
32	20.2	59.4	3192	12	US-10-143-033-75	Sequence 75, Appl
33	20.2	59.4	3192	12	US-10-144-994-75	Sequence 75, Appl
34	20.2	59.4	3192	12	US-10-145-628-75	Sequence 75, Appl
35	20.2	59.4	3192	12	US-10-145-631-75	Sequence 75, Appl
36	20.2	59.4	3192	12	US-10-145-633-75	Sequence 75, Appl
37	20.2	59.4	3192	12	US-10-145-746-75	Sequence 75, Appl
38	20.2	59.4	3192	12	US-10-145-748-75	Sequence 75, Appl
39	20.2	59.4	3192	12	US-10-145-823-75	Sequence 75, Appl
40	20.2	59.4	3192	12	US-10-145-826-75	Sequence 75, Appl
41	20.2	59.4	3192	12	US-10-145-870-75	Sequence 75, Appl
42	20.2	59.4	3192	12	US-10-145-876-75	Sequence 75, Appl
43	20.2	59.4	3192	12	US-10-145-959-75	Sequence 75, Appl
44	20.2	59.4	3192	12	US-10-146-724-75	Sequence 75, Appl
45	20.2	59.4	3192	12	US-10-146-725-75	Sequence 75, Appl

## ALIGNMENTS

RESULT 1  
US-10-125-187-1  
Sequence 1, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNE-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
APPLICANT: CAHILL, Nicholas F.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS  
TITLE OF INVENTION: METHODS OF USING SAME  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIOR APPLICATION NUMBER: PCT/AU00/01248  
PRIOR FILING DATE: 2000-10-18  
PRIOR APPLICATION NUMBER: AU PQ 9162  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: AU PQ 3485  
PRIOR FILING DATE: 1999-10-18  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 405  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: alpha C fragment of human Inhibin  
NAME/KEY: CDS  
LOCATION: (1)..(405)  
OTHER INFORMATION:  
US-10-125-187-1  
Query Match 100.0%; Score 34; DB 12; Length 405;  
Best Local Similarity 100.0%; Pred. No. 0.00028; Indels 0; Gaps 0;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
1 AGGCTCCGAGGAGACCGGCTGCCATGCCCACT 34  
|||||

Db 55 AGGCTCCGAGAACCGGCTGCCATGCCACT 88

RESULT 2

US-09-971-392-18

Sequence 18, Application US/09971392

Publication No. US20030134283A1

GENERAL INFORMATION:

APPLICANT: Peterson, David P.

APPLICANT: Pearson, Cecilia I.

APPLICANT: Cocks, Benjamin G.

TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION

FILE REFERENCE: PA-0029 US

CURRENT APPLICATION NUMBER: US/09/971,392

CURRENT FILING DATE: 2001-10-03

PRIOR APPLICATION NUMBER: 60/237,652

PRIOR FILING DATE: 2000-10-03

NUMBER OF SEQ ID NOS: 260

SOFTWARE: PERL Program

SEQ ID NO 18

LENGTH: 1429

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc feature

OTHER INFORMATION: Template ID: 336965.2

US-09-971-392-18

Query Match 100.0%; Score 34; DB 12; Length 1429;

Best Local Similarity 100.0%; Pred. No. 0.00024;

Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAACCGGCTGCCATGCCACT 34

Db 895 AGGCTCCGAGAACCGGCTGCCATGCCACT 928

RESULT 3

US-09-764-891-6046/C

Sequence 6046, Application US/09764891

Publication No. US20030077808A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC006

CURRENT APPLICATION NUMBER: US/09/764,891

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 10231

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 6046

LENGTH: 3422

TYPE: DNA

ORGANISM: Homo sapiens

US-09-764-891-6046

Query Match 100.0%; Score 34; DB 11; Length 3422;

Best Local Similarity 100.0%; Pred. No. 0.00022;

Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAACCGGCTGCCATGCCACT 34

Db 538 AGGCTCCGAGAACCGGCTGCCATGCCACT 505

RESULT 4

US-09-764-891-6048/C

Sequence 6048, Application US/09764891

Publication No. US20030077808A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC006

CURRENT APPLICATION NUMBER: US/09/764,891

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 10231

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 6048

LENGTH: 3422

TYPE: DNA

ORGANISM: Homo sapiens

US-09-764-891-6048

Query Match 100.0%; Score 34; DB 11; Length 3422;

Best Local Similarity 100.0%; Pred. No. 0.00022;

Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAACCGGCTGCCATGCCACT 34

Db 538 AGGCTCCGAGAACCGGCTGCCATGCCACT 505

RESULT 5

US-10-091-438-271/C

Sequence 271, Application US/10091438

Publication No. US20030077606A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PT217C1

CURRENT APPLICATION NUMBER: US/10/091,438

CURRENT FILING DATE: 2001-01-17

PRIOR APPLICATION NUMBER: 09/764,879

PRIOR FILING DATE: 2001-01-17

PRIOR APPLICATION NUMBER: 60/179,065

PRIOR FILING DATE: 2000-01-31

PRIOR APPLICATION NUMBER: 60/180,628

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: 60/214,886

PRIOR FILING DATE: 2000-06-28

PRIOR APPLICATION NUMBER: 60/217,487

PRIOR FILING DATE: 2000-07-11

PRIOR APPLICATION NUMBER: 60/225,758

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/220,963

PRIOR FILING DATE: 2000-07-26

PRIOR APPLICATION NUMBER: 60/217,496

PRIOR FILING DATE: 2000-07-11

PRIOR APPLICATION NUMBER: 60/225,447

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/218,290

PRIOR FILING DATE: 2000-07-14

PRIOR APPLICATION NUMBER: 60/225,757

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/226,868

PRIOR FILING DATE: 2000-08-22

PRIOR APPLICATION NUMBER: 60/216,647

PRIOR FILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: 60/225,267

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/216,880

PRIOR FILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: 60/225,270

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/251,869

PRIOR FILING DATE: 2000-12-08

PRIOR APPLICATION NUMBER: 60/235,834

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: 60/234,274

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: 60/234,223

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: 60/228,924

PRIOR FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/224,518

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/ PRIOR FILING DATE: 2000-08-14
/ PRIOR APPLICATION NUMBER: 60/236,369
/ PRIOR FILING DATE: 2000-09-29
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/ PRIOR FILING DATE: 2000-07-26
/ PRIOR APPLICATION NUMBER: 60/241,809
/ PRIOR FILING DATE: 2000-10-20
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/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/236,327
/ PRIOR FILING DATE: 2000-09-29
/ PRIOR APPLICATION NUMBER: 60/241,785
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/244,617
/ PRIOR FILING DATE: 2000-11-01
/ PRIOR APPLICATION NUMBER: 60/225,268
/ PRIOR FILING DATE: 2000-08-14
/ PRIOR APPLICATION NUMBER: 60/236,368
/ PRIOR FILING DATE: 2000-09-29
/ PRIOR APPLICATION NUMBER: 60/251,856
/ PRIOR FILING DATE: 2000-12-08
/ PRIOR APPLICATION NUMBER: 60/251,868
/ PRIOR FILING DATE: 2000-12-08
/ PRIOR APPLICATION NUMBER: 60/229,344
/ PRIOR FILING DATE: 2000-09-01
/ PRIOR APPLICATION NUMBER: 60/234,997
/ PRIOR FILING DATE: 2000-09-25
/ PRIOR APPLICATION NUMBER: 60/229,343
/ PRIOR FILING DATE: 2000-09-01
/ PRIOR APPLICATION NUMBER: 60/229,345
/ PRIOR FILING DATE: 2000-09-01
/ PRIOR APPLICATION NUMBER: 60/229,287
/ PRIOR FILING DATE: 2000-09-01
/ PRIOR APPLICATION NUMBER: 60/229,513
/ PRIOR FILING DATE: 2000-09-05
/ PRIOR APPLICATION NUMBER: 60/231,413
/ PRIOR FILING DATE: 2000-09-08
/ PRIOR APPLICATION NUMBER: 60/229,509
/ PRIOR FILING DATE: 2000-09-05
/ PRIOR APPLICATION NUMBER: 60/236,367
/ PRIOR FILING DATE: 2000-09-29
/ PRIOR APPLICATION NUMBER: 60/237,039
/ PRIOR FILING DATE: 2000-10-02
/ PRIOR APPLICATION NUMBER: 60/237,038
/ PRIOR FILING DATE: 2000-10-02
/ PRIOR APPLICATION NUMBER: 60/236,370
/ PRIOR FILING DATE: 2000-09-29
/ PRIOR APPLICATION NUMBER: 60/236,802
/ PRIOR FILING DATE: 2000-10-02
/ PRIOR APPLICATION NUMBER: 60/237,037
/ PRIOR FILING DATE: 2000-10-02
/ PRIOR APPLICATION NUMBER: 60/237,040
/ PRIOR FILING DATE: 2000-10-02
/ PRIOR APPLICATION NUMBER: 60/240,960
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/239,935
/ PRIOR FILING DATE: 2000-10-13
/ PRIOR APPLICATION NUMBER: 60/239,937
/ PRIOR FILING DATE: 2000-10-13
/ PRIOR APPLICATION NUMBER: 60/241,787
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/246,474
/ PRIOR FILING DATE: 2000-11-08
/ PRIOR APPLICATION NUMBER: 60/246,532
/ PRIOR FILING DATE: 2000-11-08
/ PRIOR APPLICATION NUMBER: 60/249,216
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/249,210
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/226,681
/ PRIOR FILING DATE: 2000-08-22
/ PRIOR APPLICATION NUMBER: 60/225,759
/ PRIOR FILING DATE: 2000-08-14
/ PRIOR APPLICATION NUMBER: 60/225,213
/ PRIOR FILING DATE: 2000-08-14
/ PRIOR APPLICATION NUMBER: 60/227,182
/ PRIOR FILING DATE: 2000-08-22
/ PRIOR APPLICATION NUMBER: 60/225,214
/ PRIOR FILING DATE: 2000-08-14
/ PRIOR APPLICATION NUMBER: 60/235,836
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: 60/230,438
/ PRIOR FILING DATE: 2000-09-06
/ PRIOR APPLICATION NUMBER: 60/215,135
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: 60/225,266
/ PRIOR FILING DATE: 2000-08-14
/ PRIOR APPLICATION NUMBER: 60/249,218
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/249,208
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/249,213
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/249,212
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/249,207
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/249,245
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/249,244
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/249,217
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/249,211
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/249,215
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/249,264
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/249,214
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/249,297
/ PRIOR FILING DATE: 2000-11-17
/ PRIOR APPLICATION NUMBER: 60/232,400
/ PRIOR FILING DATE: 2000-09-14
/ PRIOR APPLICATION NUMBER: 60/231,242
/ PRIOR FILING DATE: 2000-09-08
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/ PRIOR APPLICATION NUMBER: 60/232,080
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/ PRIOR FILING DATE: 2000-09-08
/ PRIOR APPLICATION NUMBER: 60/231,244
/ PRIOR FILING DATE: 2000-09-08
/ PRIOR APPLICATION NUMBER: 60/233,064
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/ PRIOR FILING DATE: 2000-09-14
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/ PRIOR FILING DATE: 2000-09-14
/ PRIOR APPLICATION NUMBER: 60/241,826
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/241,786
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/241,221
/ PRIOR FILING DATE: 2000-10-20
/ PRIOR APPLICATION NUMBER: 60/246,475

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; PRIOR FILING DATE: 2000-11-08
; PRIOR APPLICATION NUMBER: 60/231,243
; PRIOR FILING DATE: 2000-09-08

Query Match      100.0%; Score 34; DB 14; Length 3422;
Best Local Similarity 100.0%; Pred. No. 0.00022;
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 AGGCTCCGAGGAAACCGCTGCCATGCCACT 34
DB      538 AGGCTCCGAGGAAACCGCTGCCATGCCACT 505

RESULT 6
US-10-091-438-273
; Sequence 273, Application US/10091438
; Publication No. US2003007606A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PR217C1
; CURRENT FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 09/764,879
; PRIOR FILING DATE: 2001-01-17
; PRIOR APPLICATION NUMBER: 60/179,065
; PRIOR FILING DATE: 2000-01-31
; PRIOR APPLICATION NUMBER: 60/180,628
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/214,886
; PRIOR FILING DATE: 2000-06-28
; PRIOR APPLICATION NUMBER: 60/217,487
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,758
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/220,963
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; PRIOR APPLICATION NUMBER: 60/217,496
; PRIOR FILING DATE: 2000-07-11
; PRIOR APPLICATION NUMBER: 60/225,447
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/218,290
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: 60/225,757
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/226,868
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/216,647
; PRIOR FILING DATE: 2000-07-07
; PRIOR APPLICATION NUMBER: 60/225,267
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: 60/216,880
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; PRIOR FILING DATE: 2000-09-29
; PRIOR APPLICATION NUMBER: 60/241,785
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; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/237,040
; PRIOR FILING DATE: 2000-10-02
; PRIOR APPLICATION NUMBER: 60/240,960
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/239,935
; PRIOR FILING DATE: 2000-10-13
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; PRIOR APPLICATION NUMBER: 60/241,787
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; PRIOR FILING DATE: 2000-11-08
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; PRIOR APPLICATION NUMBER: 60/225,213
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; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,214
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PRIOR FILING DATE: 2000-08-14  
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PRIOR APPLICATION NUMBER: 60/215,135  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: 60/225,266  
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PRIOR APPLICATION NUMBER: 60/249,218  
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PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,826  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,786  
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PRIOR APPLICATION NUMBER: 60/241,221  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/246,475  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/231,243  
PRIOR FILING DATE: 2000-09-08

Query Match 100.0%; Score 34; DB 14; Length 3422;  
Best Local Similarity 100.0%; Pred. No. 0.00022;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGGAAACCGGCTGCCATGCCACT 34  
Db 2885 AGGCTCCGAGGAAACCGGCTGCCATGCCACT 2918

RESULT 7  
US-10-127-032-41/C  
Sequence 41, Application US/10127032  
Publication No. US20030113742A1  
GENERAL INFORMATION:  
APPLICANT: Whiteley, Marvin  
APPLICANT: Banger, M. Gita  
APPLICANT: Loay, Stephen  
APPLICANT: Greenberg, Everett Peter  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE MODULATION OF  
FILE REFERENCE: U12-070CP  
CURRENT APPLICATION NUMBER: US/10/127,032  
CURRENT FILING DATE: 2002-04-19  
PRIOR APPLICATION NUMBER: US 60/285,190  
PRIOR FILING DATE: 2001-04-20  
PRIOR APPLICATION NUMBER: US 60/344,142  
PRIOR FILING DATE: 2001-10-24  
NUMBER OF SEQ ID NOS: 170  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 41  
LENGTH: 918  
TYPE: DNA  
ORGANISM: Pseudomonas aeruginosa  
US-10-127-032-41

Query Match 64.1%; Score 21.8; DB 14; Length 918;  
Best Local Similarity 78.8%; Pred. No. 17;  
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;  
Qy 2 GGCTCCGAGGAAACCGGCTGCCATGCCACT 34  
Db 564 GGCTCCGAGGAAACCGGCTGCCATGCCACT 532

RESULT 8  
US-10-120-988-36  
Sequence 36, Application US/10120988  
Publication No. US20030219745A1  
GENERAL INFORMATION:  
APPLICANT: Tang, Y. Tom  
APPLICANT: Goodrich, Ryle  
APPLICANT: Liu, Chenghua  
APPLICANT: Ren, Feiyun  
APPLICANT: Wang, Dunru  
APPLICANT: Dmanac, Radoje T.  
TITLE OF INVENTION: No. US20030219745A1 Nucleic Acids and  
FILE REFERENCE: 802CON  
CURRENT APPLICATION NUMBER: US/10/120,988  
CURRENT FILING DATE: 2002-04-11  
PRIOR APPLICATION NUMBER: 09/774,528  
PRIOR FILING DATE: 2001-01-30  
NUMBER OF SEQ ID NOS: 441  
SOFTWARE: pc\_Fl\_genes Version 2.0  
SEQ ID NO 36  
LENGTH: 1799  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (124)...(831)  
US-10-120-988-36

Query Match 61.8%; Score 21; DB 12; Length 1799;  
Best Local Similarity 82.8%; Pred. No. 33;  
Matches 24; Conservative 0; Mismatches 5; Indels 0; Gaps 0;



NAME/KEY: misc feature  
LOCATION: (1120)  
OTHER INFORMATION: n equals a,t,g, or c  
US-09-925-300-674

Query Match 60.0%; Score 20.4; DB 10; Length 1125;  
Best Local Similarity 80.0%; Pred. No. 60;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAAACCGCTGCCATGCC 30  
Db 530 AGGCCCCCGCTGAAACAGGCTGCATGCC 559

RESULT 12  
US-10-094-749-380/c  
Sequence 380, Application US/10094749  
Publication No. US20030219741A1  
GENERAL INFORMATION:  
APPLICANT: ISOGAI, TAKAO  
APPLICANT: SUGIYAMA, TOMOYASU  
APPLICANT: OTSUKA, TETSUJI  
APPLICANT: WAKAMATSU, AI  
APPLICANT: SATO, HIROYUKI  
APPLICANT: ISHII, SHIZUKO  
APPLICANT: YAMAMOTO, JUN-ICHI  
APPLICANT: ISONO, YUKIO  
APPLICANT: HIO, YUKI  
APPLICANT: OTSUKA, KAORU  
APPLICANT: NAGAI, KEIICHI  
APPLICANT: IRIE, RYOTARO  
APPLICANT: TAMECHIKA, ICHIRO  
APPLICANT: SEKI, NAOHIKO  
APPLICANT: YOSHIKAWA, TSUTOMU  
APPLICANT: OTSUKA, MOTOKYU  
APPLICANT: NAGAHARI, KENJI  
APPLICANT: MASUHO, YASUHIKO  
TITLE OF INVENTION: NOVEL FULL-LENGTH cDNA  
FILE REFERENCE: 084335/0160  
CURRENT APPLICATION NUMBER: US/10/094,749  
CURRENT FILING DATE: 2002-03-12  
PRIOR APPLICATION NUMBER: 60/350,435  
PRIOR FILING DATE: 2002-01-24  
PRIOR APPLICATION NUMBER: JP 2001-328381  
PRIOR FILING DATE: 2001-09-14  
NUMBER OF SEQ ID NOS: 381  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 380  
LENGTH: 2542  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-094-749-380

Query Match 60.0%; Score 20.4; DB 12; Length 2542;  
Best Local Similarity 80.0%; Pred. No. 54;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAAACCGCTGCCATGCC 30  
Db 1801 AGGCCCCCGCTGAAACAGGCTGCATGCC 1772

RESULT 13  
US-09-795-061-1/c  
Sequence 1, Application US/09795061  
Publication No. US20030166842A1  
GENERAL INFORMATION:  
APPLICANT: Greenspan, Daniel S  
APPLICANT: Imamura, Yasutada  
TITLE OF INVENTION: Pro-Alpha 3(V) Collagen Genes  
FILE REFERENCE: 960296.96781  
CURRENT APPLICATION NUMBER: US/09/795,061  
CURRENT FILING DATE: 2001-02-26

NUMBER OF SEQ ID NOS: 24  
SOFTWARE: PatentIn Ver. 2.1  
SEQ ID NO 1  
LENGTH: 6109  
TYPE: DNA  
ORGANISM: Mus musculus  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (82)...(5298)

US-09-795-061-1

Query Match 60.0%; Score 20.4; DB 12; Length 6109;  
Best Local Similarity 80.0%; Pred. No. 49;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 4 CCTCCGAGAAACCGCTGCCATGCCAAC 33  
Db 3550 CCCCCGAGAGACCCCGCAGCCCTGCAGAC 3521

RESULT 14  
US-10-029-386-19884/c  
Sequence 19884, Application US/10029386  
Publication No. US20030194704A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharron G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
FILE REFERENCE: A60MICA-X-2  
CURRENT APPLICATION NUMBER: US/10/029,386  
CURRENT FILING DATE: 2001-12-20  
NUMBER OF SEQ ID NOS: 34288  
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 19884  
LENGTH: 226  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AC013602.2  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.36  
OTHER INFORMATION: NT HIT: AB037848.1, EVALU 1.00e-124  
OTHER INFORMATION: SWISSPROT HIT: P39060, EVALU 2.20e-01  
OTHER INFORMATION: EST\_HUMAN HIT: AL532730.1, EVALU 1.00e-123  
US-10-029-386-19884

Query Match 59.4%; Score 20.2; DB 12; Length 226;  
Best Local Similarity 75.8%; Pred. No. 86;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAAACCGCTGCCATGCCAAC 33  
Db 103 AGGCTTACGAGAGAGCCACCTGCACCTGCCAGC 71

RESULT 15  
US-10-029-386-6153/c  
Sequence 6153, Application US/10029386  
Publication No. US20030194704A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharron G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
FILE REFERENCE: A60MICA-X-2  
CURRENT APPLICATION NUMBER: US/10/029,386  
CURRENT FILING DATE: 2001-12-20  
NUMBER OF SEQ ID NOS: 34288  
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 6153  
LENGTH: 500

TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AC013602.2  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.36  
OTHER INFORMATION: EST HUMAN HIT: AL532730.1, EVALUE 1.00e-125  
OTHER INFORMATION: NT HIT: g14767838, EVALUE 1.00e-127  
OTHER INFORMATION: SWISSPROT HIT: P39060, EVALUE 9.10e-01  
US-10-029-386-6153

Query Match 59.4%; Score 20.2; DB 12; Length 500;  
Best Local Similarity 75.8%; Pred. No. 79;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGGCTCCGGAGGAGACCGGCTGCCCATGCCAAC 33  
Db 166 AGGCTACGGAGAGAGCCCACTGACCTGCCAGC 134

Search completed: December 5, 2003, 06:10:26  
Job time : 459.969 secs





TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1237 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-40

Query Match 97.1%; Score 33; DB 1; Length 1237;  
Best Local Similarity 97.1%; Pred. No. 0.00024;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGGAGACCGNCTGCCCATGCCACT 34  
DB 708 AGGCTCCGAGGAGACCGCTGCCCATGCCACT 741

## RESULT 2

US-08-459-850-40  
Sequence 40, Application US/08459850  
Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1237 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-40

Query Match 97.1%; Score 33; DB 1; Length 1237;  
Best Local Similarity 97.1%; Pred. No. 0.00024;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGGAGACCGNCTGCCCATGCCACT 34  
DB 708 AGGCTCCGAGGAGACCGCTGCCCATGCCACT 741

## RESULT 3

US-08-459-214-40  
Sequence 40, Application US/08459214  
Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 40:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1237 bases  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-459-214-40

Query Match 97.1%; Score 33; DB 1; Length 1237;  
Best Local Similarity 97.1%; Pred. No. 0.00024;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACCGNCTGCCATGCCACT 34  
DB 708 AGGCTCCGAGAACCGGCTGCCATGCCACT 741

RESULT 4  
US-08-197-792-30  
; Sequence 30, Application US/08197792  
; Patent No. 5525488  
; GENERAL INFORMATION:  
; APPLICANT: Anthony J. Mason  
; APPLICANT: Peter H. Seeburg  
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/197,792  
; FILING DATE: 16-FEB-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/958414  
; FILING DATE: 08-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/744207  
; FILING DATE: 12-AUG-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/215466  
; FILING DATE: 05-JUL-1988  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/906729  
; FILING DATE: 31-DEC-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/827710  
; FILING DATE: 07-FEB-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/783910  
; FILING DATE: 03-OCT-1985  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hasak, Janet E.  
; REGISTRATION NUMBER: 28,616  
; REFERENCE/DOCKET NUMBER: 297P2D4  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/425-1896  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 30:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1343 bases  
; TYPE: nucleic acid

STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-197-792-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;  
Best Local Similarity 79.4%; Pred. No. 1.4;  
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACCGNCTGCCATGCCACT 34  
DB 816 AGGCTCCGAGAACCGGCTGTGACGCCGACT 849

RESULT 5  
US-08-459-850-30  
; Sequence 30, Application US/08459850  
; Patent No. 5665568  
; GENERAL INFORMATION:  
; APPLICANT: Anthony J. Mason  
; APPLICANT: Peter H. Seeburg  
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptides  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/459,850  
; FILING DATE: 02-JUN-1995  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/197792  
; FILING DATE: 17-FEB-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/958414  
; FILING DATE: 08-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/744207  
; FILING DATE: 12-AUG-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/215466  
; FILING DATE: 05-JUL-1988  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/906729  
; FILING DATE: 31-DEC-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/827710  
; FILING DATE: 07-FEB-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/783910  
; FILING DATE: 03-OCT-1985  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hasak, Janet E.  
; REGISTRATION NUMBER: 28,616  
; REFERENCE/DOCKET NUMBER: 297P2D5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/425-1896  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 30:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1343 bases  
; TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;  
Best Local Similarity 79.4%; Pred. No. 1.4;  
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACCGCTGCCATGCCACT 34  
DB 816 AGGCCCCGAGAACCGCTGTGCACGCCGACT 849

## RESULT 6

US-08-459-214-30  
Sequence 30, Application US/08459214  
Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1343 bases  
TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;  
Best Local Similarity 79.4%; Pred. No. 1.4;  
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACCGCTGCCATGCCACT 34  
DB 816 AGGCCCCGAGAACCGCTGTGCACGCCGACT 849

## RESULT 7

US-09-252-991A-14968/C  
Sequence 14968, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
FILE REFERENCE: 107196.136  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 14968  
LENGTH: 915  
TYPE: DNA  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-14968

Query Match 61.2%; Score 20.8; DB 4; Length 915;  
Best Local Similarity 75.8%; Pred. No. 14;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGAACCGCTGCCATGCCACT 34  
DB 561 GGCCTCCGAGAACCGCTGCCATGCCACT 529

## RESULT 8

US-09-252-991A-14782  
Sequence 14782, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
FILE REFERENCE: 107196.136  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US/09/252,991A  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 14782  
LENGTH: 1011  
TYPE: DNA  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-14782

Query Match 61.2%; Score 20.8; DB 4; Length 1011;  
Best Local Similarity 75.8%; Pred. No. 14;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGAACCGCTGCCATGCCACT 34  
DB 376 GGCCTCCGAGAACCGCTGCCATGCCACT 408

RESULT 9  
US-08-311-731A-137/C  
Sequence 137, Application US/08311731A  
Patent No. 6583266  
GENERAL INFORMATION:  
APPLICANT: SMITH, DOUGLAS  
TITLE OF INVENTION: MAO, JEN-1  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES  
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR  
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 411  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.  
STREET: 600 ATLANTIC AVENUE  
CITY: BOSTON  
STATE: MASSACHUSETTS  
COUNTRY: USA  
ZIP: 02210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Releasee #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/311,731A  
FILING DATE:  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: GATES, EDWARD R.  
REGISTRATION NUMBER: 31,616  
REFERENCE/DOCKET NUMBER: C0044/7125  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617/720-3500  
TELEFAX: 617/720-2441  
INFORMATION FOR SEQ ID NO: 137:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 40123 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Mycobacterium leprae  
US-08-311-731A-137

Query Match 61.2%; Score 20.8; DB 4; Length 40123;  
Best Local Similarity 75.8%; Pred. No. 19;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGCCTCCGAGGAAACCGCTGCCCATGCAACT 34  
Db 16258 GGCCTCCTCACTGACGACGCTGCGCACT 16226

RESULT 10  
US-08-704-398-1  
Sequence 1, Application US/08704398  
Patent No. 5679525  
GENERAL INFORMATION:  
APPLICANT: Peterson, Michael G  
TITLE OF INVENTION: Herkel, Thomas  
TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR  
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR  
TITLE OF INVENTION: BINDING ASSAY  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT  
STREET: 4 Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California

COUNTRY: USA  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Releasee #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/704,398  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/246,977  
FILING DATE: 20-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Osman, Richard A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: A-59233/RAO  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1500 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..1500  
US-08-704-398-1

Query Match 57.6%; Score 19.6; DB 1; Length 1500;  
Best Local Similarity 81.5%; Pred. No. 43;  
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 3 GGCCTCCGAGGAAACCGCTGCCCATGTC 29  
Db 21 GCCCGGAGAGAGCGCCCTGCGCATGC 47

RESULT 11  
PCT-US95-05966-1  
Sequence 1, Application PC/TUS9505966  
GENERAL INFORMATION:  
APPLICANT: TULARIK, INC.  
TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR  
RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR  
TITLE OF INVENTION: BINDING ASSAY  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT  
STREET: 4 Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Releasee #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/05966  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/246,977  
FILING DATE: 20-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Osman, Richard A  
REGISTRATION NUMBER: 36,627

REFERENCE/DOCKET NUMBER: FP-59233-PC/RAO  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3243  
TELEX: 910 27729  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1500 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..1500  
PCT-US95-05966-1

Query Match 57.6%; Score 19.6; DB 5; Length 1500;  
Best Local Similarity 81.5%; Pred. No. 43;  
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 3 GCCTCCGAGAGACCGCTGCCCATGC 29  
DB 21 GCCCGGAGAGAGCCGCTGCCATGC 47

RESULT 12  
US-09-008-097-3  
Sequence 3, Application US/09008097  
Patent No. 6306830  
GENERAL INFORMATION:  
APPLICANT: Hammond, H. Kirk  
APPLICANT: Inael, Paul A.  
APPLICANT: Ping, Peipei  
APPLICANT: Post, Steven R.  
APPLICANT: Gao, Meihua  
TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE  
TITLE OF INVENTION: HEART FAILURE  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 755 PAGE MILL ROAD  
CITY: PALO ALTO  
STATE: CA  
COUNTRY: USA  
ZIP: 94304-1018  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/008,097  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Dylan, Tyler M  
REGISTRATION NUMBER: 37,612  
REFERENCE/DOCKET NUMBER: 22000-20567.21  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-813-5600  
TELEFAX: 650-494-0792  
TELEX: 706141  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1812 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
FEATURE:

NAME/KEY: Coding Sequence  
LOCATION: 1..1812  
OTHER INFORMATION:  
US-09-008-097-3

Query Match 56.5%; Score 19.2; DB 4; Length 1812;  
Best Local Similarity 72.7%; Pred. No. 62;  
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 GGCTCCGAGAGACCGCTGCCCATGCCACT 34  
DB 668 GGCTCCGAGAGAGCCGCGGACCATGCCACT 700

RESULT 13  
US-09-008-097-5  
Sequence 5, Application US/09008097  
Patent No. 6306830  
GENERAL INFORMATION:  
APPLICANT: Hammond, H. Kirk  
APPLICANT: Inael, Paul A.  
APPLICANT: Ping, Peipei  
APPLICANT: Post, Steven R.  
APPLICANT: Gao, Meihua  
TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE  
TITLE OF INVENTION: HEART FAILURE  
NUMBER OF SEQUENCES: 9  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: MORRISON & FOERSTER  
STREET: 755 PAGE MILL ROAD  
CITY: PALO ALTO  
STATE: CA  
COUNTRY: USA  
ZIP: 94304-1018  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/008,097  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Dylan, Tyler M  
REGISTRATION NUMBER: 37,612  
REFERENCE/DOCKET NUMBER: 22000-20567.21  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-813-5600  
TELEFAX: 650-494-0792  
TELEX: 706141  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3549 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
FEATURE:  
NAME/KEY: Coding Sequence  
LOCATION: 1..3501  
OTHER INFORMATION:  
US-09-008-097-5

Query Match 56.5%; Score 19.2; DB 4; Length 3549;  
Best Local Similarity 72.7%; Pred. No. 66;  
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 GGCTCCGAGAGACCGCTGCCCATGCCACT 34  
DB 1301 GGCTCCGAGAGAGCCGCGGACCATGCCACT 1333

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RESULT 14
US-07-793-961A-1
; Sequence 1, Application US/07793961A
; Patent No. 5334521
; GENERAL INFORMATION:
; APPLICANT: Yoshihiro Ishikawa
; TITLE OF INVENTION: Cloning and Character-
;   TITL OF INVENTION: Cloning and Character-
;   NUMBER OF SEQUENCES: 1
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Alan M. Gordon
;   ADDRESSEE: American Cyanamid Company
;   STREET: 1937 West Main Street,
;   STREET: P.O. Box 60
;   CITY: Stamford
;   STATE: Connecticut
;   COUNTRY: USA
;   ZIP: 06904
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC AT
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: ASCII from DM4
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/793,961A
; FILING DATE: 19911118
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Gordon, Alan M.
; REGISTRATION NUMBER: 30,637
; REFERENCE/DOCKET NUMBER: 31,705
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 203 321 2719
; TELEFAX: 203 321 2971
; TEXT:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4046 base pairs listed
; TYPE: NUCLEIC ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-07-793-961A-1

Query Match      56.5%; Score 19.2; DB 1; Length 4046;
Best Local Similarity 72.7%; Pred. No. 66;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY      2  GGCTCCGGAGGAGACCGCTGCCATGCCACT 34
DB      1428 GGCTCCGGAGGAGCGCCGGGAGACCATGCCACT 1460

RESULT 15
US-08-240-357-1
; Sequence 1, Application US/08240357
; Patent No. 5578481
; GENERAL INFORMATION:
; APPLICANT: Ishikawa, Yoshihiro
; TITLE OF INVENTION: Cloning and Characterization of a
;   TITL OF INVENTION: Cloning and Characterization of a
;   NUMBER OF SEQUENCES: 2
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: American Cyanamid Company
;   STREET: One Cyanamid Plaza
;   CITY: Wayne
;   STATE: New Jersey
;   COUNTRY: USA

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; ZIP: 07470-8426
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/240,357
; FILING DATE: 10-MAY-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Gordon, Alan M.
; REGISTRATION NUMBER: 30,637
; REFERENCE/DOCKET NUMBER: 31,705-01
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 201-831-3244
; TELEFAX: 201-831-3305
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4046 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 131..3625
US-08-240-357-1

Query Match      56.5%; Score 19.2; DB 1; Length 4046;
Best Local Similarity 72.7%; Pred. No. 66;
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY      2  GGCTCCGGAGGAGACCGCTGCCATGCCACT 34
DB      1428 GGCTCCGGAGGAGCGCCGGGAGACCATGCCACT 1460

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Search completed: December 5, 2003, 03:08:18  
 Job time : 42.6899 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 03:03:18 ; Search time 455.969 seconds  
(without alignments)  
247.829 Million cell updates/sec

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Perfect score: 34  
Sequence: 1 aggcctccgaggaacgcgtccatgcccaact 34

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Gapop 10.0 , Gapext 1.0

Searched: 2201672 seqs, 1661799599 residues

Total number of hits satisfying chosen parameters: 4403344

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:\*

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- 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*
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- 11: /cgn2\_6/ptodata/1/pubpna/US09C\_PUBCOMB.seq:\*
- 12: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*
- 13: /cgn2\_6/ptodata/1/pubpna/US10A\_PUBCOMB.seq:\*
- 14: /cgn2\_6/ptodata/1/pubpna/US10B\_PUBCOMB.seq:\*
- 15: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*
- 16: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
- 17: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33	97.1	405	US-10-125-187-1	Sequence 1, Appli
2	33	97.1	1429	US-09-971-392-18	Sequence 18, Appl
3	33	97.1	3422	US-09-764-891-6046	Sequence 6046, Ap
4	33	97.1	3422	US-09-764-891-6048	Sequence 6048, Ap
5	33	97.1	3422	US-10-091-438-271	Sequence 271, App
6	33	97.1	3422	US-10-091-438-273	Sequence 273, App
7	33	97.1	3422	US-10-029-386-19884	Sequence 19884, A
8	33	97.1	3422	US-10-029-386-19884	Sequence 19884, A
9	33	97.1	3422	US-10-029-386-19884	Sequence 19884, A
10	33	97.1	3422	US-10-029-386-19884	Sequence 19884, A
11	33	97.1	3422	US-10-029-386-19884	Sequence 19884, A
12	33	97.1	3422	US-10-029-386-19884	Sequence 19884, A
13	33	97.1	3422	US-10-029-386-19884	Sequence 19884, A
14	33	97.1	3422	US-10-029-386-19884	Sequence 19884, A
15	33	97.1	3422	US-10-029-386-19884	Sequence 19884, A
16	33	97.1	3422	US-10-029-386-19884	Sequence 19884, A

C 17	19.4	57.1	247	10	US-09-796-692-3875	Sequence 3875, Ap
C 18	19.4	57.1	247	14	US-10-040-862-3875	Sequence 3875, Ap
C 19	19.4	57.1	125	10	US-09-925-300-674	Sequence 674, App
C 20	19.4	57.1	2542	12	US-10-094-749-380	Sequence 380, App
C 21	19.4	57.1	6109	12	US-09-795-061-1	Sequence 1, Appli
C 22	19.2	56.5	523	12	US-10-029-386-7254	Sequence 7254, Ap
C 23	19.2	56.5	1205	13	US-10-027-632-254370	Sequence 254370,
C 24	19.2	56.5	1205	13	US-10-027-632-254370	Sequence 254370,
C 25	19.2	56.5	1812	10	US-09-750-240-3	Sequence 3, Appli
26	19.2	56.5	3192	12	US-10-137-870-75	Sequence 75, Appl
27	19.2	56.5	3192	12	US-10-140-018-75	Sequence 75, Appl
28	19.2	56.5	3192	12	US-10-140-021-75	Sequence 75, Appl
29	19.2	56.5	3192	12	US-10-140-274-75	Sequence 75, Appl
30	19.2	56.5	3192	12	US-10-140-471-75	Sequence 75, Appl
31	19.2	56.5	3192	12	US-10-140-807-75	Sequence 75, Appl
32	19.2	56.5	3192	12	US-10-140-922-75	Sequence 75, Appl
33	19.2	56.5	3192	12	US-10-140-924-75	Sequence 75, Appl
34	19.2	56.5	3192	12	US-10-140-926-75	Sequence 75, Appl
35	19.2	56.5	3192	12	US-10-141-698-75	Sequence 75, Appl
36	19.2	56.5	3192	12	US-10-141-702-75	Sequence 75, Appl
37	19.2	56.5	3192	12	US-10-142-421-75	Sequence 75, Appl
38	19.2	56.5	3192	12	US-10-142-432-75	Sequence 75, Appl
39	19.2	56.5	3192	12	US-10-142-767-75	Sequence 75, Appl
40	19.2	56.5	3192	12	US-10-143-033-75	Sequence 75, Appl
41	19.2	56.5	3192	12	US-10-143-033-75	Sequence 75, Appl
42	19.2	56.5	3192	12	US-10-144-994-75	Sequence 75, Appl
43	19.2	56.5	3192	12	US-10-145-628-75	Sequence 75, Appl
44	19.2	56.5	3192	12	US-10-145-631-75	Sequence 75, Appl
45	19.2	56.5	3192	12	US-10-145-633-75	Sequence 75, Appl

#### ALIGNMENTS

RESULT 1  
US-10-125-187-1  
; Sequence 1, Application US/10125187  
; Publication No. US20030162229A1  
; GENERAL INFORMATION:  
; APPLICANT: MILNE-ROBERTSON, David M.  
; APPLICANT: STANTON, Peter G.  
; APPLICANT: CAHILL, Nicholas F.  
; TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS  
; TITLE OF INVENTION: METHODS OF USING SAME  
; FILE REFERENCE: 10338-9  
; CURRENT APPLICATION NUMBER: US/10/125,187  
; CURRENT FILING DATE: 2002-04-18  
; PRIOR APPLICATION NUMBER: PCT/AU00/01248  
; PRIOR FILING DATE: 2000-10-18  
; PRIOR APPLICATION NUMBER: AU PQ 9162  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: AU PQ 3485  
; PRIOR FILING DATE: 1999-10-18  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 405  
; TYPE: DNA  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: alpha C fragment of human inhibin  
; NAME/KEY: CDS  
; LOCATION: (1)..(405)  
; OTHER INFORMATION:  
US-10-125-187-1

Query Match 97.1%; Score 33; DB 12; Length 405;  
Best Local Similarity 97.1%; Pred. No. 0.00033;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
1 AGGCCTCCGAGGAACCGGTCGCCATGCCCACT 34  
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Db 55 AGGCTCCGAGGAAACCGGCTGCCCATGCCACT 88

RESULT 2

US-09-971-392-18

Sequence 18, Application US/09971392

Publication No. US20030134283A1

GENERAL INFORMATION:

APPLICANT: Peterson, David P.

APPLICANT: Pearson, Cecilia I.

APPLICANT: Cocks, Benjamin G.

TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION

FILE REFERENCE: PA-0029 US

CURRENT APPLICATION NUMBER: US/09/971.392

CURRENT FILING DATE: 2001-10-03

PRIOR APPLICATION NUMBER: 60/237,652

PRIOR FILING DATE: 2000-10-03

NUMBER OF SEQ ID NOS: 260

SOFTWARE: PERL Program

SEQ ID NO 18

LENGTH: 1429

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

NAME/KEY: misc feature

OTHER INFORMATION: Template ID: 336965.2

US-09-971-392-18

Query Match 97.1%; Score 33; DB 12; Length 1429;

Best Local Similarity 97.1%; Pred. No. 0.00029;

Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGGAAACCGGCTGCCCATGCCACT 34

Db 895 AGGCTCCGAGGAAACCGGCTGCCCATGCCACT 928

RESULT 3

US-09-764-891-6046/c

Sequence 6046, Application US/09764891

Publication No. US20030077808A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC006

CURRENT APPLICATION NUMBER: US/09/764,891

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 10231

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 6046

LENGTH: 3422

TYPE: DNA

ORGANISM: Homo sapiens

US-09-764-891-6046

Query Match 97.1%; Score 33; DB 11; Length 3422;

Best Local Similarity 97.1%; Pred. No. 0.00027;

Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGGAAACCGGCTGCCCATGCCACT 34

Db 538 AGGCTCCGAGGAAACCGGCTGCCCATGCCACT 505

RESULT 4

US-09-764-891-6048/c

Sequence 6048, Application US/09764891

Publication No. US20030077808A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC006

CURRENT APPLICATION NUMBER: US/09/764,891

CURRENT FILING DATE: 2001-01-17

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 10231

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 6048

LENGTH: 3422

TYPE: DNA

ORGANISM: Homo sapiens

US-09-764-891-6048

Query Match 97.1%; Score 33; DB 11; Length 3422;

Best Local Similarity 97.1%; Pred. No. 0.00027;

Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGGAAACCGGCTGCCCATGCCACT 34

Db 538 AGGCTCCGAGGAAACCGGCTGCCCATGCCACT 505

RESULT 5

US-10-091-438-271/c

Sequence 271, Application US/10091438

Publication No. US20030077606A1

GENERAL INFORMATION:

APPLICANT: Rosen et al.

TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PZ17C1

CURRENT APPLICATION NUMBER: US/10/091,438

CURRENT FILING DATE: 2001-01-17

PRIOR APPLICATION NUMBER: 09/764,879

PRIOR FILING DATE: 2001-01-17

PRIOR APPLICATION NUMBER: 60/179,065

PRIOR FILING DATE: 2000-01-31

PRIOR APPLICATION NUMBER: 60/180,628

PRIOR FILING DATE: 2000-02-04

PRIOR APPLICATION NUMBER: 60/214,886

PRIOR FILING DATE: 2000-06-28

PRIOR APPLICATION NUMBER: 60/217,487

PRIOR FILING DATE: 2000-07-11

PRIOR APPLICATION NUMBER: 60/225,758

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/220,963

PRIOR FILING DATE: 2000-07-26

PRIOR APPLICATION NUMBER: 60/217,496

PRIOR FILING DATE: 2000-07-11

PRIOR APPLICATION NUMBER: 60/225,447

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/218,290

PRIOR FILING DATE: 2000-07-14

PRIOR APPLICATION NUMBER: 60/225,757

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/226,868

PRIOR FILING DATE: 2000-08-22

PRIOR APPLICATION NUMBER: 60/216,647

PRIOR FILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: 60/225,267

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/216,880

PRIOR FILING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: 60/225,270

PRIOR FILING DATE: 2000-08-14

PRIOR APPLICATION NUMBER: 60/251,869

PRIOR FILING DATE: 2000-12-08

PRIOR APPLICATION NUMBER: 60/235,834

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: 60/234,274

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: 60/228,924

PRIOR FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/224,518

PRIOR FILING DATE: 2000-08-14	PRIOR APPLICATION NUMBER: 60/236,369
PRIOR FILING DATE: 2000-09-29	PRIOR APPLICATION NUMBER: 60/224,519
PRIOR FILING DATE: 2000-08-14	PRIOR APPLICATION NUMBER: 60/220,964
PRIOR FILING DATE: 2000-07-26	PRIOR APPLICATION NUMBER: 60/241,809
PRIOR FILING DATE: 2000-10-20	PRIOR APPLICATION NUMBER: 60/249,299
PRIOR FILING DATE: 2000-11-17	PRIOR APPLICATION NUMBER: 60/236,327
PRIOR FILING DATE: 2000-09-29	PRIOR APPLICATION NUMBER: 60/241,785
PRIOR FILING DATE: 2000-10-20	PRIOR APPLICATION NUMBER: 60/244,617
PRIOR FILING DATE: 2000-11-01	PRIOR APPLICATION NUMBER: 60/225,268
PRIOR FILING DATE: 2000-08-14	PRIOR APPLICATION NUMBER: 60/236,368
PRIOR FILING DATE: 2000-09-29	PRIOR APPLICATION NUMBER: 60/251,856
PRIOR FILING DATE: 2000-12-08	PRIOR APPLICATION NUMBER: 60/251,868
PRIOR FILING DATE: 2000-12-08	PRIOR APPLICATION NUMBER: 60/229,344
PRIOR FILING DATE: 2000-09-01	PRIOR APPLICATION NUMBER: 60/234,997
PRIOR FILING DATE: 2000-09-25	PRIOR APPLICATION NUMBER: 60/229,343
PRIOR FILING DATE: 2000-09-01	PRIOR APPLICATION NUMBER: 60/229,345
PRIOR FILING DATE: 2000-09-01	PRIOR APPLICATION NUMBER: 60/229,287
PRIOR FILING DATE: 2000-09-01	PRIOR APPLICATION NUMBER: 60/229,513
PRIOR FILING DATE: 2000-09-05	PRIOR APPLICATION NUMBER: 60/231,413
PRIOR FILING DATE: 2000-09-08	PRIOR APPLICATION NUMBER: 60/229,509
PRIOR FILING DATE: 2000-09-05	PRIOR APPLICATION NUMBER: 60/236,367
PRIOR FILING DATE: 2000-09-29	PRIOR APPLICATION NUMBER: 60/237,039
PRIOR FILING DATE: 2000-10-02	PRIOR APPLICATION NUMBER: 60/237,038
PRIOR FILING DATE: 2000-10-02	PRIOR APPLICATION NUMBER: 60/236,370
PRIOR FILING DATE: 2000-09-29	PRIOR APPLICATION NUMBER: 60/236,802
PRIOR FILING DATE: 2000-10-02	PRIOR APPLICATION NUMBER: 60/237,037
PRIOR FILING DATE: 2000-10-02	PRIOR APPLICATION NUMBER: 60/237,040
PRIOR FILING DATE: 2000-10-02	PRIOR APPLICATION NUMBER: 60/240,960
PRIOR FILING DATE: 2000-10-20	PRIOR APPLICATION NUMBER: 60/239,935
PRIOR FILING DATE: 2000-10-13	PRIOR APPLICATION NUMBER: 60/239,937
PRIOR FILING DATE: 2000-10-13	PRIOR APPLICATION NUMBER: 60/241,787
PRIOR FILING DATE: 2000-10-20	PRIOR APPLICATION NUMBER: 60/246,474
PRIOR FILING DATE: 2000-11-08	PRIOR APPLICATION NUMBER: 60/246,532
PRIOR FILING DATE: 2000-11-08	PRIOR APPLICATION NUMBER: 60/249,216
PRIOR FILING DATE: 2000-11-17	PRIOR APPLICATION NUMBER: 60/249,210
PRIOR FILING DATE: 2000-11-17	PRIOR APPLICATION NUMBER: 60/226,681
PRIOR FILING DATE: 2000-08-22	

;; PRIOR FILING DATE: 2000-11-08  
;; PRIOR APPLICATION NUMBER: 60/223,243  
;; PRIOR FILING DATE: 2000-09-08

Query Match 97.1%; Score 33; DB 14; Length 3422;  
Best Local Similarity 97.1%; Pred. No. 0.00027;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGGAAACGCTGCCATGCCCACT 34  
DB 538 AGGCTCCGAGGAAACGCTGCCATGCCCACT 505

## RESULT 6

US-10-091-438-273  
; Sequence 273, Application US/10091438  
; Publication No. US2003007606A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PTZ17C1  
; CURRENT FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: 09/764,879  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: 60/179,065  
; PRIOR FILING DATE: 2000-01-31  
; PRIOR APPLICATION NUMBER: 60/180,628  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: 60/214,886  
; PRIOR FILING DATE: 2000-06-28  
; PRIOR APPLICATION NUMBER: 60/217,487  
; PRIOR FILING DATE: 2000-07-11  
; PRIOR APPLICATION NUMBER: 60/225,758  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/220,963  
; PRIOR FILING DATE: 2000-07-26  
; PRIOR APPLICATION NUMBER: 60/217,496  
; PRIOR FILING DATE: 2000-07-11  
; PRIOR APPLICATION NUMBER: 60/225,447  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/218,290  
; PRIOR FILING DATE: 2000-07-14  
; PRIOR APPLICATION NUMBER: 60/225,757  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/226,868  
; PRIOR FILING DATE: 2000-08-22  
; PRIOR APPLICATION NUMBER: 60/216,647  
; PRIOR FILING DATE: 2000-07-07  
; PRIOR APPLICATION NUMBER: 60/225,267  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/216,880  
; PRIOR FILING DATE: 2000-07-07  
; PRIOR APPLICATION NUMBER: 60/225,270  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/251,869  
; PRIOR FILING DATE: 2000-12-08  
; PRIOR APPLICATION NUMBER: 60/235,834  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: 60/234,274  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: 60/234,223  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: 60/228,924  
; PRIOR FILING DATE: 2000-08-30  
; PRIOR APPLICATION NUMBER: 60/224,518  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/236,369  
; PRIOR FILING DATE: 2000-09-29  
; PRIOR APPLICATION NUMBER: 60/224,519  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/220,964  
; PRIOR FILING DATE: 2000-07-26

;; PRIOR APPLICATION NUMBER: 60/241,809  
;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 60/249,299  
;; PRIOR FILING DATE: 2000-11-17  
;; PRIOR APPLICATION NUMBER: 60/236,327  
;; PRIOR FILING DATE: 2000-09-29  
;; PRIOR APPLICATION NUMBER: 60/241,785  
;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 60/244,617  
;; PRIOR FILING DATE: 2000-11-01  
;; PRIOR APPLICATION NUMBER: 60/225,268  
;; PRIOR FILING DATE: 2000-08-14  
;; PRIOR APPLICATION NUMBER: 60/236,368  
;; PRIOR FILING DATE: 2000-09-29  
;; PRIOR APPLICATION NUMBER: 60/251,856  
;; PRIOR FILING DATE: 2000-12-08  
;; PRIOR APPLICATION NUMBER: 60/251,868  
;; PRIOR FILING DATE: 2000-12-08  
;; PRIOR APPLICATION NUMBER: 60/229,344  
;; PRIOR FILING DATE: 2000-09-01  
;; PRIOR APPLICATION NUMBER: 60/234,997  
;; PRIOR FILING DATE: 2000-09-25  
;; PRIOR APPLICATION NUMBER: 60/229,343  
;; PRIOR FILING DATE: 2000-09-01  
;; PRIOR APPLICATION NUMBER: 60/229,345  
;; PRIOR FILING DATE: 2000-09-01  
;; PRIOR APPLICATION NUMBER: 60/229,287  
;; PRIOR FILING DATE: 2000-09-01  
;; PRIOR APPLICATION NUMBER: 60/229,513  
;; PRIOR FILING DATE: 2000-09-05  
;; PRIOR APPLICATION NUMBER: 60/231,413  
;; PRIOR FILING DATE: 2000-09-08  
;; PRIOR APPLICATION NUMBER: 60/229,509  
;; PRIOR FILING DATE: 2000-09-05  
;; PRIOR APPLICATION NUMBER: 60/236,367  
;; PRIOR FILING DATE: 2000-09-29  
;; PRIOR APPLICATION NUMBER: 60/237,039  
;; PRIOR FILING DATE: 2000-10-02  
;; PRIOR APPLICATION NUMBER: 60/237,038  
;; PRIOR FILING DATE: 2000-10-02  
;; PRIOR APPLICATION NUMBER: 60/236,370  
;; PRIOR FILING DATE: 2000-09-29  
;; PRIOR APPLICATION NUMBER: 60/236,802  
;; PRIOR FILING DATE: 2000-10-02  
;; PRIOR APPLICATION NUMBER: 60/237,037  
;; PRIOR FILING DATE: 2000-10-02  
;; PRIOR APPLICATION NUMBER: 60/237,040  
;; PRIOR FILING DATE: 2000-10-02  
;; PRIOR APPLICATION NUMBER: 60/240,960  
;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 60/239,935  
;; PRIOR FILING DATE: 2000-10-13  
;; PRIOR APPLICATION NUMBER: 60/239,937  
;; PRIOR FILING DATE: 2000-10-13  
;; PRIOR APPLICATION NUMBER: 60/241,787  
;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 60/246,474  
;; PRIOR FILING DATE: 2000-11-08  
;; PRIOR APPLICATION NUMBER: 60/246,532  
;; PRIOR FILING DATE: 2000-11-08  
;; PRIOR APPLICATION NUMBER: 60/249,216  
;; PRIOR FILING DATE: 2000-11-17  
;; PRIOR APPLICATION NUMBER: 60/249,210  
;; PRIOR FILING DATE: 2000-11-17  
;; PRIOR APPLICATION NUMBER: 60/226,681  
;; PRIOR FILING DATE: 2000-08-22  
;; PRIOR APPLICATION NUMBER: 60/225,759  
;; PRIOR FILING DATE: 2000-08-14  
;; PRIOR APPLICATION NUMBER: 60/225,213  
;; PRIOR FILING DATE: 2000-08-14  
;; PRIOR APPLICATION NUMBER: 60/227,182  
;; PRIOR FILING DATE: 2000-08-22  
;; PRIOR APPLICATION NUMBER: 60/225,214

PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/235, 836  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: 60/230, 438  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/215, 135  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: 60/225, 266  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/249, 218  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249, 208  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249, 213  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249, 212  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249, 207  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249, 245  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249, 244  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249, 217  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249, 211  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249, 215  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249, 264  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249, 214  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249, 297  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/232, 400  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/231, 242  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/232, 081  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/232, 080  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/231, 414  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/231, 244  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/233, 064  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/233, 063  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232, 397  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232, 399  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232, 401  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/241, 808  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241, 826  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241, 786  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241, 221  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/246, 475  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/231, 243  
PRIOR FILING DATE: 2000-09-08

Query Match 97.1%; Score 33; DB 14; Length 3422;  
Best Local Similarity 97.1%; Pred. No. 0.00027;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAGAACGCTGCCCACT 34  
|||||  
Db 2885 AGGCTCCGAGAGAACGCTGCCCACT 2918

RESULT 7  
US-10-029-386-19884/C  
Sequence 19884, Application US/10029386  
Publication No. US20030194704A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
FILE REFERENCE: AEWICA-X-2  
CURRENT FILING DATE: 2001-12-20  
NUMBER OF SEQ ID NOS: 34286  
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 19884  
LENGTH: 226  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AC013602.2  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.36  
OTHER INFORMATION: NT HIT: AB037848.1, EVALU 1.00e-124  
OTHER INFORMATION: SWISSPROT HIT: P39060, EVALU 2.20e-01  
OTHER INFORMATION: EST\_HUMAN HIT: AL532730.1, EVALU 1.00e-123  
US-10-029-386-19884

Query Match 61.2%; Score 20.8; DB 12; Length 226;  
Best Local Similarity 75.8%; Pred. No. 33;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAGAACGCTGCCCACT 33  
|||||  
Db 103 AGGCTCCGAGAGAACGCTGCCCACT 71

RESULT 8  
US-10-029-386-6153/C  
Sequence 6153, Application US/10029386  
Publication No. US20030194704A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
FILE REFERENCE: AEWICA-X-2  
CURRENT FILING DATE: 2001-12-20  
NUMBER OF SEQ ID NOS: 34286  
SOFTWARE: Anomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 6153  
LENGTH: 500  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AC013602.2  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.36  
OTHER INFORMATION: EST\_HUMAN HIT: AL532730.1, EVALU 1.00e-125  
OTHER INFORMATION: NT HIT: G14767838, EVALU 1.00e-127  
OTHER INFORMATION: SWISSPROT HIT: P39060, EVALU 9.10e-01  
US-10-029-386-6153

Query Match 61.2%; Score 20.8; DB 12; Length 500;  
Best Local Similarity 75.8%; Pred. No. 30;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1 AGGCTTCGGAGAACCGNCTGCCCATGCCAAC 33  
 Db 166 AGGTCTACGGAGAGAGCCCATCTGCATGCCAGC 134

# RESULT 9

US-10-127-032-41/c  
 ; Sequence 41, Application US/10127032  
 ; Publication No. US20030113742A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Whiteley, Marvin  
 ; APPLICANT: Banger, M. Gita  
 ; APPLICANT: Lory, Stephen  
 ; APPLICANT: Greenberg, Everett Peter  
 ; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE MODULATION OF  
 ; TITLE OF INVENTION: BIOFILM FORMATION  
 ; FILE REFERENCE: UIZ-070CP  
 ; CURRENT APPLICATION NUMBER: US/10/127,032  
 ; CURRENT FILING DATE: 2002-04-19  
 ; PRIOR APPLICATION NUMBER: US 60/285,190  
 ; PRIOR FILING DATE: 2001-04-20  
 ; PRIOR APPLICATION NUMBER: US 60/344,142  
 ; PRIOR FILING DATE: 2001-10-24  
 ; NUMBER OF SEQ ID NOS: 170  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 41  
 ; LENGTH: 918  
 ; TYPE: DNA  
 ; ORGANISM: Pseudomonas aeruginosa  
 US-10-127-032-41

Query Match 61.2%; Score 20.8; DB 14; Length 918;  
 Best Local Similarity 75.8%; Pred. No. 29;  
 Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGCTTCGGAGAACCGNCTGCCCATGCCAAC 34  
 Db 564 GGCTTCGGAGAGAGCCCATCTGCATGCCAGC 532

RESULT 10  
 US-10-120-988-36  
 ; Sequence 36, Application US/10120988  
 ; Publication No. US20030219745A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Tang, Y. Tom  
 ; APPLICANT: Goodrich, Kyle  
 ; APPLICANT: Liu, Chenghua  
 ; APPLICANT: Ren, Feiyan  
 ; APPLICANT: Wang, Duntui  
 ; APPLICANT: Drmanac, Radoje T.  
 ; TITLE OF INVENTION: No. US20030219745A1el Nucleic Acids and  
 ; TITLE OF INVENTION: Polypeptides  
 ; FILE REFERENCE: 802CON  
 ; CURRENT APPLICATION NUMBER: US/10/120,988  
 ; CURRENT FILING DATE: 2002-04-11  
 ; PRIOR APPLICATION NUMBER: 09/774,528  
 ; PRIOR FILING DATE: 2001-01-30  
 ; NUMBER OF SEQ ID NOS: 441  
 ; SOFTWARE: pc\_fl\_genes Version 2.0  
 ; SEQ ID NO 36  
 ; LENGTH: 1799  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURES:  
 ; NAME/KEY: CDS  
 ; LOCATION: (124)..(831)  
 US-10-120-988-36

Query Match 58.8%; Score 20; DB 12; Length 1799;  
 Best Local Similarity 79.3%; Pred. No. 57;  
 Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 2 GGCTTCGGAGAGAACCGNCTGCCCATGCC 30  
 Db 181 GGCCGGCGGAGAGAGAGCCCATGCC 209

# RESULT 11

US-10-027-632-68903  
 ; Sequence 68903, Application US/10027632  
 ; Publication No. US20030204075A9  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Wang, David G.  
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
 ; TITLE OF INVENTION: Polymorphisms in the Human Genome  
 ; FILE REFERENCE: 108827.129  
 ; CURRENT APPLICATION NUMBER: US/10/027,632  
 ; CURRENT FILING DATE: 2002-04-30  
 ; PRIOR APPLICATION NUMBER: US 60/218,006  
 ; PRIOR FILING DATE: 2000-07-12  
 ; PRIOR APPLICATION NUMBER: US 60/198,676  
 ; PRIOR FILING DATE: 2000-04-20  
 ; PRIOR APPLICATION NUMBER: US 60/193,483  
 ; PRIOR FILING DATE: 2000-03-29  
 ; PRIOR APPLICATION NUMBER: US 60/185,218  
 ; PRIOR FILING DATE: 2000-02-24  
 ; PRIOR APPLICATION NUMBER: US 60/167,363  
 ; PRIOR FILING DATE: 1999-11-23  
 ; PRIOR APPLICATION NUMBER: US 60/156,358  
 ; PRIOR FILING DATE: 1999-09-28  
 ; PRIOR APPLICATION NUMBER: US 60/146,002  
 ; PRIOR FILING DATE: 1999-08-09  
 ; NUMBER OF SEQ ID NOS: 325720  
 ; SOFTWARE: FastSeq for Windows Version 4.0  
 ; SEQ ID NO 68903  
 ; LENGTH: 548  
 ; TYPE: DNA  
 ; ORGANISM: Human  
 US-10-027-632-68903

Query Match 58.2%; Score 19.8; DB 12; Length 548;  
 Best Local Similarity 75.0%; Pred. No. 77;  
 Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1 AGGCTTCGGAGAACCGNCTGCCCATGCCAA 32  
 Db 481 AGGCTTCGGAGAGAGAGCCCATGCCATGCCA 512

RESULT 12  
 US-10-027-632-294721  
 ; Sequence 294721, Application US/10027632  
 ; Publication No. US20030204075A9  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Wang, David G.  
 ; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
 ; TITLE OF INVENTION: Polymorphisms in the Human Genome  
 ; FILE REFERENCE: 108827.129  
 ; CURRENT APPLICATION NUMBER: US/10/027,632  
 ; CURRENT FILING DATE: 2002-04-30  
 ; PRIOR APPLICATION NUMBER: US 60/218,006  
 ; PRIOR FILING DATE: 2000-07-12  
 ; PRIOR APPLICATION NUMBER: US 60/198,676  
 ; PRIOR FILING DATE: 2000-04-20  
 ; PRIOR APPLICATION NUMBER: US 60/193,483  
 ; PRIOR FILING DATE: 2000-03-29  
 ; PRIOR APPLICATION NUMBER: US 60/185,218  
 ; PRIOR FILING DATE: 2000-02-24  
 ; PRIOR APPLICATION NUMBER: US 60/167,363  
 ; PRIOR FILING DATE: 1999-11-23  
 ; PRIOR APPLICATION NUMBER: US 60/156,358  
 ; PRIOR FILING DATE: 1999-09-28  
 ; PRIOR APPLICATION NUMBER: US 60/146,002  
 ; PRIOR FILING DATE: 1999-08-09  
 ; NUMBER OF SEQ ID NOS: 325720

SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 294721  
; LENGTH: 548  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-294721

Query Match 58.2%; Score 19.8; DB 12; Length 548;  
Best Local Similarity 75.0%; Pred. No. 77;  
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGGCTTCGGAGAACCGNCTGCCATGCCAA 32  
DB 481 AGGCTTGAGAGAGAACCGATGCCATGACCA 512

RESULT 13  
US-10-027-632-68903  
; Sequence 68903, Application US/10027632  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; PRIOR FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29  
; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 68903  
; LENGTH: 548  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-68903

Query Match 58.2%; Score 19.8; DB 13; Length 548;  
Best Local Similarity 75.0%; Pred. No. 77;  
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGGCTTCGGAGAACCGNCTGCCATGCCAA 32  
DB 481 AGGCTTGAGAGAGAACCGATGCCATGACCA 512

RESULT 14  
US-10-027-632-294721  
; Sequence 294721, Application US/10027632  
; GENERAL INFORMATION:  
; APPLICANT: Wang, David G.  
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide  
; FILE REFERENCE: 108827.129  
; CURRENT APPLICATION NUMBER: US/10/027,632  
; PRIOR FILING DATE: 2002-04-30  
; PRIOR APPLICATION NUMBER: US 60/218,006  
; PRIOR FILING DATE: 2000-07-12  
; PRIOR APPLICATION NUMBER: US 60/198,676  
; PRIOR FILING DATE: 2000-04-20  
; PRIOR APPLICATION NUMBER: US 60/193,483  
; PRIOR FILING DATE: 2000-03-29

; PRIOR APPLICATION NUMBER: US 60/185,218  
; PRIOR FILING DATE: 2000-02-24  
; PRIOR APPLICATION NUMBER: US 60/167,363  
; PRIOR FILING DATE: 1999-11-23  
; PRIOR APPLICATION NUMBER: US 60/156,358  
; PRIOR FILING DATE: 1999-09-28  
; PRIOR APPLICATION NUMBER: US 60/146,002  
; PRIOR FILING DATE: 1999-08-09  
; NUMBER OF SEQ ID NOS: 325720  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 294721  
; LENGTH: 548  
; TYPE: DNA  
; ORGANISM: Human  
US-10-027-632-294721

Query Match 58.2%; Score 19.8; DB 13; Length 548;  
Best Local Similarity 75.0%; Pred. No. 77;  
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 1 AGGCTTCGGAGAACCGNCTGCCATGCCAA 32  
DB 481 AGGCTTGAGAGAGAACCGATGCCATGACCA 512

RESULT 15  
US-10-153-668-315  
; Sequence 315, Application US/10153668  
; Publication No. US20030092616A1  
; GENERAL INFORMATION:  
; APPLICANT: HONDA, Goichi  
; APPLICANT: MATSUDA, Akio  
; APPLICANT: MURAMATSU, Shuji  
; APPLICANT: ISHIZAMA, Kenya  
; TITLE OF INVENTION: STATE Activating Gene  
; FILE REFERENCE: 1254-0207P  
; CURRENT APPLICATION NUMBER: US/10/153,668  
; PRIOR FILING DATE: 2002-05-24  
; PRIOR APPLICATION NUMBER: US 60/293,172  
; PRIOR FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: US 60/316,031  
; PRIOR FILING DATE: 2001-08-31  
; PRIOR APPLICATION NUMBER: US 60/328,403  
; PRIOR FILING DATE: 2001-10-12  
; PRIOR APPLICATION NUMBER: JP 2001-157043  
; PRIOR FILING DATE: 2001-05-25  
; PRIOR APPLICATION NUMBER: JP 2001-260681  
; PRIOR FILING DATE: 2001-08-30  
; PRIOR APPLICATION NUMBER: JP 2001-313175  
; PRIOR FILING DATE: 2001-10-10  
; NUMBER OF SEQ ID NOS: 488  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 315  
; LENGTH: 1580  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURES:  
; NAME/KEY: CDS  
; LOCATION: (79)..(1578)  
US-10-153-668-315

Query Match 57.6%; Score 19.6; DB 14; Length 1580;  
Best Local Similarity 81.5%; Pred. No. 84;  
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 3 GCCTCCGAGAACCGNCTGCCATGCC 29  
DB 99 GCCCGGAGAGAGACCGCTGCCATGC 125

Search completed: December 5, 2003, 06:10:26  
Job time : 455.969 secs

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OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 02:47:47 ; Search time 34.3643 Seconds  
(without alignments)  
398.171 Million cell updates/sec

Title: US-09-913-524-34  
Perfect score: 31  
Sequence: 1 atcatgcctccctgcgtcatcgcact 31

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued Patents NA:  
1: /cgn2\_6/prodata/1/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/prodata/1/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/prodata/1/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/prodata/1/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/prodata/1/ina/PCTUS\_COMB.seq:\*  
6: /cgn2\_6/prodata/1/ina/backfile1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	31	100.0	1633	1	US-08-197-792-42	Sequence 42, Appl
2	31	100.0	1633	1	US-08-459-850-42	Sequence 42, Appl
3	31	100.0	1633	1	US-08-459-214-42	Sequence 42, Appl
4	31	100.0	1840	4	US-09-016-434-1200	Sequence 1200, Ap
5	23	74.2	3588	1	US-08-197-792-32	Sequence 32, Appl
6	23	74.2	3588	1	US-08-459-850-32	Sequence 32, Appl
7	23	74.2	3588	1	US-08-459-214-32	Sequence 32, Appl
8	21.4	69.0	1667	1	US-08-455-550-1	Sequence 1, Appl
9	19.8	63.9	400	1	US-07-764-731B-5	Sequence 5, Appl
10	19.8	63.9	406	1	US-08-163-877-7	Sequence 7, Appl
11	19.8	63.9	406	1	US-08-360-914B-7	Sequence 7, Appl
12	19.8	63.9	406	1	US-08-741-589A-7	Sequence 7, Appl
13	19.8	63.9	406	5	PCT-US94-1181-7	Sequence 7, Appl
14	19.8	63.9	497	4	US-08-868-452-43	Sequence 43, Appl
15	19.8	63.9	894	1	US-07-764-731B-3	Sequence 3, Appl
16	19.8	63.9	894	6	5187076-3	Patent No. 5187076
17	19.8	63.9	2923	1	US-08-377-292-6	Sequence 6, Appl
18	19.8	63.9	2923	2	US-07-989-847-7	Sequence 7, Appl
19	19.8	63.9	2923	3	US-08-469-411-7	Sequence 7, Appl
20	19.8	63.9	2923	6	5187076-5	Patent No. 5187076
21	19	61.3	5741	1	US-07-706-699-4	Sequence 4, Appl
22	19	61.3	5741	1	US-07-998-931-4	Sequence 4, Appl
23	18.8	60.6	99	1	US-07-367-262-1	Sequence 1, Appl
24	18.8	60.6	509	3	US-09-385-982-43	Sequence 43, Appl
25	18.8	60.6	1164	4	US-09-134-001C-2199	Sequence 2199, Ap
26	18.8	60.6	1628	3	US-09-147-522-3	Sequence 3, Appl
27	18.8	60.6	3315	4	US-09-221-017B-76	Sequence 76, Appl

C 28	18.8	60.6	5000	3	US-09-147-522-5	Sequence 5, Appl
C 29	18.6	60.0	11282	4	US-09-754-250-3	Sequence 3, Appl
C 30	18.6	60.0	112332	4	US-09-741-150-3	Sequence 3, Appl
31	18.4	59.4	1938	3	US-09-232-200-29	Sequence 29, Appl
32	18.4	59.4	1938	4	US-09-232-197-29	Sequence 29, Appl
33	18.4	59.4	1938	4	US-09-232-201-29	Sequence 29, Appl
34	18.4	59.4	3217	3	US-09-232-200-64	Sequence 64, Appl
35	18.4	59.4	3217	4	US-09-232-197-64	Sequence 64, Appl
36	18.4	59.4	3217	4	US-09-232-201-64	Sequence 64, Appl
37	18.4	59.4	9046	1	US-08-227-536-1	Sequence 1, Appl
38	18.4	59.4	9046	5	PCT-US95-04682-1	Sequence 1, Appl
39	18.2	58.7	337	4	US-08-868-452-29	Sequence 29, Appl
40	18.2	58.7	339	1	US-08-470-837-29	Sequence 29, Appl
41	18.2	58.7	1524	1	US-08-197-792-34	Sequence 34, Appl
42	18.2	58.7	1524	1	US-08-459-850-34	Sequence 34, Appl
43	18.2	58.7	1524	1	US-08-459-214-34	Sequence 34, Appl
44	18.2	58.7	1873	1	US-07-841-646-24	Sequence 24, Appl
45	18.2	58.7	1873	1	US-07-901-703-8	Sequence 8, Appl

# ALIGNMENTS

RESULT 1  
US-08-197-792-42  
Sequence 42, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1633 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-42

Query Match 100.0%; Score 31; DB 1; Length 1633;  
Best Local Similarity 100.0%; Pred. No. 0.00011;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGCTATCATGCCAACT 31  
DB 1251 ATCATGCTCCCTGCTGCTATCATGCCAACT 1281

## RESULT 2

US-08-459-850-42  
Sequence 42, Application US/08459850  
Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459, 850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1633 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-42

Query Match 100.0%; Score 31; DB 1; Length 1633;  
Best Local Similarity 100.0%; Pred. No. 0.00011;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGCTATCATGCCAACT 31  
DB 1251 ATCATGCTCCCTGCTGCTATCATGCCAACT 1281

## RESULT 3

US-08-459-214-42  
Sequence 42, Application US/08459214  
Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459, 214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1633 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-42

Query Match 100.0%; Score 31; DB 1; Length 1633;  
Best Local Similarity 100.0%; Pred. No. 0.00011;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGCTATCATGCCCACT 31  
DB 1251 ATCATGCTCCCTCTGGCTATCATGCCCACT 1281

RESULT 4  
US-09-016-434-1200  
Sequence 1200, Application US/09016434  
Patent No. 6500938  
GENERAL INFORMATION:  
APPLICANT: Janice Au-Young  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
NUMBER OF SEQUENCES: 1490  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/016,434  
FILING DATE: HEREWITH  
CLASSIFICATION:  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0002 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 1200:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1840 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GENBANK  
CLONE: g181946  
US-09-016-434-1200

Query Match 100.0%; Score 31; DB 4; Length 1840;  
Best Local Similarity 100.0%; Pred. No. 0.00012;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGCTATCATGCCCACT 31  
DB 1100 ATCATGCTCCCTCTGGCTATCATGCCCACT 1130

RESULT 5  
US-08-197-792-32  
Sequence 32, Application US/08197792  
Patent No. 5525488

GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3588 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-32

Query Match 74.2%; Score 23; DB 1; Length 3588;  
Best Local Similarity 83.9%; Pred. No. 0.45;  
Matches 26; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGCTATCATGCCCACT 31  
DB 1042 ATCATGCTCCCTCTGGCTATCATGCCCACT 1072

RESULT 6  
US-08-459-850-32  
Sequence 32, Application US/08459850

Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3588 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-32

Query Match	74.2%	Score 23;	DB 1;	Length 3588;
Best Local Similarity	83.9%	Pred. No. 0.45;		
Matches 26;	Conservative 0;	Mismatches 5;	Indels 0;	Gaps 0;

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QY      1 ATCATTCGCTCCCTCTGGCTATCATGCCAACT 31
          |||||
Db      1042 ATCATTCGCTCCGTCGGGCTACCAAGCAACT 1072

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RESULT 7  
US-08-459-214-32  
: Sequence 32, Application US\_08459214

Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptides  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3588 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear

Query Match	74.2%	Score 23;	DB 1;	Length 3588;
Best Local Similarity	83.9%	Pred. No. 0.45;		
Matches	26;	Conservative	0;	Mismatches 5;
				Indels 0;
				Gaps 0;

```

Oy      1 ATCATTCGCTCCCTCTGGCTATCATGCGCAACT 31
         |||||
Db      1042 ATCATTCGCTCCGTCGGGCTACACGCGCAACT 1072

```

RESULT 8  
US-08-455-550-1  
; Sequence 1, Application US/08455550

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; Patent No. 5670338
; GENERAL INFORMATION:
; APPLICANT: MURAKAMI, KAZUO
; APPLICANT: UENO, NAOTO
; APPLICANT: KATO, YUKIO
; TITLE OF INVENTION: XENOPUS LAEVIS BONE MORPHOGENETIC PROTEINS AND USE THE
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dike, Bronstein, Roberts & Cushman
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/455,550
; FILING DATE: 31-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/056,564
; FILING DATE: 30-APR-1993
; APPLICATION NUMBER: 07/577,892
; FILING DATE: 05-SEP-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Eisenstein, Ronald I
; REGISTRATION NUMBER: 30628
; REFERENCE/DOCKET NUMBER: 40302-FWC-DIV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
; TELEX: 200291
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1667 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE:
; ORIGINAL SOURCE:
; US-08-455-550-1

Query Match          69.0%; Score 21.4; DB 1; Length 1667;
Best Local Similarity 80.6%; Pred. No. 2;
Matches 25; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY      1 ATCATGCTCCTCTGCTATCATGCCAAT 31
DB      777 ATCATGCACTCTGCTACCATGCCAAT 807

RESULT 9
US-07-764-731B-5
; Sequence 5, Application US/07764731B
; Patent No. 5366875
; GENERAL INFORMATION:
; APPLICANT: Rosen, Vicki A.
; APPLICANT: Wang, Elizabeth A.
; APPLICANT: Wozney, John M.
; TITLE OF INVENTION: Methods for Producing BMP-7 Proteins
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Legal Affairs, Genetics Institute, Inc.
; STREET: 87 Cambridgepark Drive
; CITY: Cambridge
; STATE: MA
```

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; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/764,731B
; FILING DATE: 19910924
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Kapinos, Ellen J.
; REGISTRATION NUMBER: 32,245
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-876-1170
; TELEFAX: 617-876-5851
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 400 base pairs
; TYPE: NUCLEIC ACID
; STRANDEDNESS: double
; TOPOLOGY: circular
; MOLECULE TYPE: cDNA to mRNA
; HYPOTHETICAL: NO
; FRAGMENT TYPE: C-terminal
; ORIGINAL SOURCE:
; ORGANISM: Homo sapiens
; CELL LINE: U2-OS Osteosarcoma
; IMMEDIATE SOURCE:
; LIBRARY: U2-OS human osteosarcoma cDNA library
; CLONE: U2-7
; POSITION IN GENOME:
; UNITS: bp
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..399
; NAME/KEY: mat_peptide
; LOCATION: 1..400
; FEATURE:
; NAME/KEY: mRNA
; LOCATION: 1..400
; US-07-764-731B-5

Query Match          63.9%; Score 19.8; DB 1; Length 400;
Best Local Similarity 77.4%; Pred. No. 7.5;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY      1 ATCATGCTCCTCTGCTATCATGCCAAT 31
DB      145 ATCATGCACTCTGCTACCATGCCAAT 175

RESULT 10
US-08-163-877-7
; Sequence 7, Application US/08163877
; Patent No. 5399677
; GENERAL INFORMATION:
; APPLICANT: McCoy, John
; APPLICANT: Murray, Beth
; APPLICANT: Wolman, Neil
; TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENETIC PROTEINS
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc - Legal Affairs
; STREET: 87 Cambridgepark Drive
; CITY: Cambridge
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
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MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/163,877  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lazari, Steven R.  
REGISTRATION NUMBER: 32,618  
REFERENCE/DOCKET NUMBER: GI 5219  
TELEPHONE: 617 876-1170 x 8260  
TELEFAX: 617 876-5851  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 406 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
ORIGINAL SOURCE:  
ORGANISM: bmp-6  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..396  
US-08-163-877-7

Query Match 63.9%; Score 19.8; DB 1; Length 406;  
Best Local Similarity 77.4%; Pred. No. 7.5;  
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCTCTGCTATCATGCCAAT 31  
145 ATCATGACCCAGGCTATGCTGCCAATT 175  
Db

RESULT 11  
US-08-360-914B-7  
Sequence 7, Application US/08360914B  
Patent No. 5756308  
GENERAL INFORMATION:  
APPLICANT: Neil M. WOLFMAN and John MCCOY  
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESS: Genetics Institute, Inc - Legal Affairs  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/360,914B  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/163,877  
FILING DATE: December 7, 1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Lazari, Steven R.  
REGISTRATION NUMBER: 32,618  
REFERENCE/DOCKET NUMBER: GI 5219B  
TELEPHONE: 617 876-5851  
TELEFAX: 617 876-8260  
INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:  
LENGTH: 406 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
ORGANISM: bmp-6  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..396  
US-08-360-914B-7

Query Match 63.9%; Score 19.8; DB 1; Length 406;  
Best Local Similarity 77.4%; Pred. No. 7.5;  
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCTCTGCTATCATGCCAAT 31  
145 ATCATGACCCAGGCTATGCTGCCAATT 175  
Db

RESULT 12  
US-08-741-589A-7  
Sequence 7, Application US/08741589A  
Patent No. 5804416  
GENERAL INFORMATION:  
APPLICANT: Neil M. WOLFMAN and John MCCOY  
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESS: Genetics Institute, Inc - Legal Affairs  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/741,589A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/163,877  
FILING DATE: December 7, 1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Lazari, Steven R.  
REGISTRATION NUMBER: 32,618  
REFERENCE/DOCKET NUMBER: GI 5219B-DIV  
TELEPHONE: 617 876-5851  
TELEFAX: 617 498-8260  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 406 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
ORGANISM: bmp-6  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..396  
US-08-741-589A-7

Query Match 63.9%; Score 19.8; DB 1; Length 406;  
Best Local Similarity 77.4%; Pred. No. 7.5;  
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;



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; UNITS: bp
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 1..669
; FEATURE:
; NAME/KEY: mat_peptide
; LOCATION: 250..666
; FEATURE:
; NAME/KEY: mRNA
; LOCATION: 1..894
; US-07-764-731B-3

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Query Match 63.9%; Score 19.8; DB 1; Length 894;
Best Local Similarity 77.4%; Pred. No. 8.8;
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

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QY 1 ATCATGTGCTCCCTCTGTGGCTATCATGCCCACT 31
   |||||
Db 415 ATCATGTGCCCCCAAGGGCTAGGCTGCCCACT 445

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Job time : 35.3643 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 03:03:18 ; Search time 415.736 Seconds  
(without alignments)  
247.829 Million cell updates/sec

Title: US-09-913-524-34

Perfect score: 31  
Sequence: 1 atcattgcctcctgcgtatcatcgaact 31

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 2201672 seqs, 1661799599 residues

Total number of hits satisfying chosen parameters: 4403344

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA.\*  
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16: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq.\*  
17: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match Length	ID	Description
C 1	100.0	405	US-09-962-436-169	Sequence 169, App
2	31	100.0	US-09-738-630-95	Sequence 169, App
3	31	100.0	US-09-918-995-24537	Sequence 24537, A
4	31	100.0	US-10-084-817-59	Sequence 59, App1
5	31	100.0	US-10-241-220-15	Sequence 15, App1
6	31	100.0	US-10-301-822-88	Sequence 88, App1
7	31	100.0	US-10-171-311-94	Sequence 94, App1
8	31	100.0	US-10-177-293-231	Sequence 231, App
9	31	100.0	US-09-962-436-295	Sequence 295, App
10	31	100.0	US-09-954-531-182	Sequence 182, App
11	31	100.0	US-09-918-624B-3	Sequence 387, App
12	31	100.0	US-09-918-624B-3	Sequence 3, App1
13	31	100.0	US-09-764-891-8179	Sequence 8179, App
14	31	100.0	US-10-034-650-46	Sequence 46, App1
C 15	21.2	68.4	US-10-105-637-4	Sequence 4, App1
C 16	21.2	68.4	US-10-105-637-4	Sequence 4, App1

C 17	21	67.7	611	12	US-10-027-632-201917	Sequence 201917,
C 18	21	67.7	611	12	US-10-027-632-201918	Sequence 201918,
C 19	21	67.7	611	12	US-10-027-632-201917	Sequence 201917,
C 20	21	67.7	611	13	US-10-027-632-201918	Sequence 201918,
C 21	20.6	66.5	2043	12	US-10-133-937-86	Sequence 86, App1
C 22	20.6	66.5	3084	12	US-10-341-434-138	Sequence 138, App
C 23	20.6	66.5	9662	11	US-09-764-891-9774	Sequence 9774, App
C 24	20.6	66.5	17705	11	US-09-764-891-9773	Sequence 9773, Ap
C 25	20.4	65.8	186510	12	US-10-043-715-1	Sequence 1, App1
C 26	19.8	63.9	570	12	US-10-029-386-3175	Sequence 3175, Ap
C 27	19.8	63.9	1350	9	US-09-784-911-7	Sequence 7, App1
C 28	19.8	63.9	1353	9	US-09-784-911-9	Sequence 9, App1
C 29	19.8	63.9	1362	9	US-09-784-911-3	Sequence 3, App1
C 30	19.8	63.9	2923	12	US-10-101-510-7	Sequence 7, App1
C 31	19.8	63.9	5021	12	US-10-133-013-126	Sequence 126, App
C 32	19.8	63.9	5804	12	US-10-101-510-509	Sequence 509, App
C 33	19.6	63.2	457	11	US-09-918-995-14644	Sequence 14644, A
C 34	19.6	63.2	167343	10	US-09-962-436-281	Sequence 281, App
C 35	19.6	63.2	167343	10	US-09-964-824A-273	Sequence 273, App
C 36	19.4	62.6	668	12	US-10-027-632-196735	Sequence 196735,
C 37	19.4	62.6	668	12	US-10-027-632-196736	Sequence 196736,
C 38	19.4	62.6	668	13	US-10-027-632-196735	Sequence 196735,
C 39	19.4	62.6	668	13	US-10-027-632-196736	Sequence 196736,
C 40	18.8	60.6	445	10	US-09-796-632-7759	Sequence 7759, Ap
C 41	18.8	60.6	445	14	US-10-040-862-7759	Sequence 473, App
C 42	18.8	60.6	509	11	US-09-871-161-43	Sequence 269, App
C 43	18.8	60.6	839	10	US-09-860-670-269	Sequence 2193, Ap
C 44	18.8	60.6	108317	12	US-10-017-161-2143	Sequence 7229, Ap
C 45	18.6	60.0	1800	9	US-09-815-242-7229	

#### ALIGNMENTS

RESULT 1  
US-09-962-436-169/c  
; Sequence 169, Application US/09962436  
; Patent No. US20020081301A1  
; GENERAL INFORMATION:  
; APPLICANT: Soppet, Daniel  
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
; FILE REFERENCE: 689290-75  
; CURRENT APPLICATION NUMBER: US/09/962,436  
; PRIOR FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,082  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/234,924  
; SOFTWARE: Patentin version 3.0  
; SEQ ID NO 169  
; LENGTH: 405  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURES:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: n=a,t,g or c  
US-09-962-436-169  
Query Match 100.0%; Score 31; DB 9; Length 405;  
Best Local Similarity 100.0%; Pred. No. 0.00045;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
1 ATCATTGCTCCCTCGGCTATCATCCCACT 31  
Db 384 ATCATTGCTCCCTCGGCTATCATCCCACT 354  
RESULT 2  
US-09-738-630-95  
; Sequence 95, Application US/09738630  
; Publication No. US20030166213A1

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; GENERAL INFORMATION:
; APPLICANT: Greenpan, Ralph J.
; TITLE OF INVENTION: Methods For Identifying Compounds That
; TITLE OF INVENTION: Modulate Disorders Related To Nitric Oxide/ cGMP-Dependent
; FILE REFERENCE: P-NI 3906
; CURRENT APPLICATION NUMBER: US/09/738, 630
; CURRENT FILING DATE: 2000-12-15
; NUMBER OF SEQ ID NOS: 105
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 95
; LENGTH: 425
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(390)
; US-09-738-630-95
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Query Match 100.0%; Score 31; DB 12; Length 425;
Best Local Similarity 100.0%; Pred. No. 0.00045;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31
Db 127 ATCATGCTCCCTCTGGCTATCATGCCAACT 157
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RESULT 3
; US-09-918-995-24537
; Sequence 24537, Application US/09918995
; Publication No. US20030073623A1
; GENERAL INFORMATION:
; APPLICANT: Hyseq, Inc.
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES
; FILE REFERENCE: 20411-756
; CURRENT APPLICATION NUMBER: US/09/918, 995
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: US/09/235, 076
; PRIOR FILING DATE: 1999-01-20
; NUMBER OF SEQ ID NOS: 38054
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 24537
; LENGTH: 494
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(494)
; OTHER INFORMATION: n = A,T,C or G
; US-09-918-995-24537
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Best Local Similarity 100.0%; Pred. No. 0.00046;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31
Db 158 ATCATGCTCCCTCTGGCTATCATGCCAACT 188
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RESULT 4
; US-10-084-817-59
; Sequence 59, Application US/10084817
; Publication No. US20030113009A1
; GENERAL INFORMATION:
; APPLICANT: Susan Stuart
; APPLICANT: Jed G. Nuchtern
; APPLICANT: Sharon E. Pion
; APPLICANT: Jason M. Shohet
; TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION
```

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; FILE REFERENCE: PA-0046 US
; CURRENT APPLICATION NUMBER: US/10/084, 817
; CURRENT FILING DATE: 2002-02-25
; PRIOR APPLICATION NUMBER: 60/270, 784
; PRIOR FILING DATE: 2001-02-23
; NUMBER OF SEQ ID NOS: 365
; SOFTWARE: PERL Program
; SEQ ID NO 59
; LENGTH: 1620
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030119009A1 3526170CB1
; NAME/KEY: unsure
; LOCATION: 120
; OTHER INFORMATION: a, t, c, g, or other
; US-10-084-817-59
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Query Match 100.0%; Score 31; DB 14; Length 1620;
Best Local Similarity 100.0%; Pred. No. 0.00053;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1230 ATCATGCTCCCTCTGGCTATCATGCCAACT 1260
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RESULT 5
; US-10-241-220-15
; Sequence 15, Application US/10241220
; Publication No. US20030148408A1
; GENERAL INFORMATION:
; APPLICANT: Franz, Gretchen
; APPLICANT: Hillan, Kenneth J.
; APPLICANT: Phillips, Heidi
; APPLICANT: Polakis, Paul
; APPLICANT: Spencer, Susan
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wu, Thomas
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; TITLE OF INVENTION: TREATMENT OF TUMOR
; FILE REFERENCE: P5010R1-US
; CURRENT APPLICATION NUMBER: US/10/241, 220
; CURRENT FILING DATE: 2002-12-13
; NUMBER OF SEQ ID NOS: 120
; SEQ ID NO 15
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo Sapien
; US-10-241-220-15
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Query Match 100.0%; Score 31; DB 12; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.00054;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31
Db 1100 ATCATGCTCCCTCTGGCTATCATGCCAACT 1130
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RESULT 6
; US-10-301-822-88
; Sequence 88, Application US/10301822
; Publication No. US20030148410A1
; GENERAL INFORMATION:
; APPLICANT: Millennium Pharmaceuticals, Inc.
; APPLICANT: Berger, Allison
; APPLICANT: Guillemette, Tracy L.
; APPLICANT: Kamackar, Shubhangt
; APPLICANT: Schlegel, Robert
; APPLICANT: Monahan, John E.
```

```

; APPLICANT: Thibodeau, Stephen N.
; APPLICANT: Burgart, Lawrence J.
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
; TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MEMO1-029P2RNM
; CURRENT APPLICATION NUMBER: US/10/301,822
; PRIOR FILING DATE: 2002-11-21
; PRIOR APPLICATION NUMBER: US 60/339,971
; PRIOR FILING DATE: 2001-12-10
; PRIOR APPLICATION NUMBER: US 60/361,978
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/381,988
; PRIOR FILING DATE: 2002-05-20
; NUMBER OF SEQ ID NOS: 228
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 88
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (86)...(1366)
; US-10-301-822-88

Query Match      100.0%; Score 31; DB 12; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.00054;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATCATGTCTCCCTCTGCGTATCATGCCAACT 31
Db      1100 ATCATGTCTCCCTCTGCGTATCATGCCAACT 1130

RESULT 7
; Sequence 94, Application US/10171311
; Publication No. US20030087270A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Chen, Yumei
; APPLICANT: Zhao, Xumei
; APPLICANT: Monahan, John
; APPLICANT: Kamakkar, Shubhangi
; APPLICANT: Glatc, Karen
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Hoersch, Sebastian
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
; TITLE OF INVENTION: OF CERVICAL CANCER
; FILE REFERENCE: MRI-035
; CURRENT APPLICATION NUMBER: US/10/171,311
; PRIOR FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US 60/298,159
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,155
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/335,936
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 94
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-171-311-94

Query Match      100.0%; Score 31; DB 14; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.00054;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATCATGTCTCCCTCTGCGTATCATGCCAACT 31

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Db      1100 ATCATGTCTCCCTCTGCGTATCATGCCAACT 1130

RESULT 8
; Sequence 231, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatc, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Kamakkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic
; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Bast Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Funda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; PRIOR FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 231
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-177-293-231

Query Match      100.0%; Score 31; DB 14; Length 1840;
Best Local Similarity 100.0%; Pred. No. 0.00054;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 ATCATGTCTCCCTCTGCGTATCATGCCAACT 31
Db      1100 ATCATGTCTCCCTCTGCGTATCATGCCAACT 1130

RESULT 9
; Sequence 15039, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinmann, Kathleen
; APPLICANT: Kamakkar, Shubhangi
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; FILE REFERENCE: MRI-049

```

CURRENT APPLICATION NUMBER: US/10/198,846  
CURRENT FILING DATE: 2002-07-18  
PRIOR APPLICATION NUMBER: 60/306,220  
PRIOR FILING DATE: 2001-07-18  
NUMBER OF SEQ ID NOS: 14084  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 13039  
LENGTH: 2462  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 1, 2, 2460, 2461, 2462  
OTHER INFORMATION: n = A,T,C or G  
US-10-198-846-13039

Query Match 100.0%; Score 31; DB 14; Length 2462;  
Best Local Similarity 100.0%; Pred. No. 0.00056;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTGCTGCTATCATGCCAACT 31  
DB 1296 ATCATTGCTCCCTGCTGCTATCATGCCAACT 1326

RESULT 10  
US-09-962-436-295  
Sequence 295, Application US/09962436  
Patent No. US20020081301A1  
GENERAL INFORMATION:  
APPLICANT: Soper, Daniel  
TITLE OF INVENTION: Gene Determination and Therapeutic Screening Using Signatu  
FILE REFERENCE: 689290-75  
CURRENT APPLICATION NUMBER: US/09/962,436  
CURRENT FILING DATE: 2001-09-25  
PRIOR APPLICATION NUMBER: US/60/235,082  
PRIOR FILING DATE: 2000-09-25  
PRIOR APPLICATION NUMBER: US/60/234,924  
PRIOR FILING DATE: 2000-09-25  
NUMBER OF SEQ ID NOS: 568  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 295  
LENGTH: 4068  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-962-436-295

Query Match 100.0%; Score 31; DB 9; Length 4068;  
Best Local Similarity 100.0%; Pred. No. 0.0006;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTGCTGCTATCATGCCAACT 31  
DB 1093 ATCATTGCTCCCTGCTGCTATCATGCCAACT 1123

RESULT 11  
US-09-954-531-182  
Sequence 182, Application US/09954531  
Patent No. US20020165180A1  
GENERAL INFORMATION:  
APPLICANT: Weaver, Zoe  
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc  
FILE REFERENCE: 689290-77  
CURRENT APPLICATION NUMBER: US/09/954,531  
CURRENT FILING DATE: 2002-05-02  
PRIOR APPLICATION NUMBER: US/60/233,133  
PRIOR FILING DATE: 2000-09-18  
PRIOR APPLICATION NUMBER: US/60/234,009  
PRIOR FILING DATE: 2000-09-20  
PRIOR APPLICATION NUMBER: US/60/234,034

PRIOR FILING DATE: 2000-09-20  
PRIOR APPLICATION NUMBER: US/60/234,509  
PRIOR FILING DATE: 2000-09-22  
PRIOR APPLICATION NUMBER: US/60/234,567  
PRIOR FILING DATE: 2000-09-22  
NUMBER OF SEQ ID NOS: 1392  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 182  
LENGTH: 4068  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-954-531-182

Query Match 100.0%; Score 31; DB 10; Length 4068;  
Best Local Similarity 100.0%; Pred. No. 0.0006;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTGCTGCTATCATGCCAACT 31  
DB 1093 ATCATTGCTCCCTGCTGCTATCATGCCAACT 1123

RESULT 12  
US-09-954-531-387  
Sequence 387, Application US/09954531  
Patent No. US20020165180A1  
GENERAL INFORMATION:  
APPLICANT: Weaver, Zoe  
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc  
FILE REFERENCE: 689290-77  
CURRENT APPLICATION NUMBER: US/09/954,531  
CURRENT FILING DATE: 2002-05-02  
PRIOR APPLICATION NUMBER: US/60/233,133  
PRIOR FILING DATE: 2000-09-18  
PRIOR APPLICATION NUMBER: US/60/234,009  
PRIOR FILING DATE: 2000-09-20  
PRIOR APPLICATION NUMBER: US/60/234,034  
PRIOR FILING DATE: 2000-09-20  
PRIOR APPLICATION NUMBER: US/60/234,509  
PRIOR FILING DATE: 2000-09-22  
PRIOR APPLICATION NUMBER: US/60/234,567  
PRIOR FILING DATE: 2000-09-22  
NUMBER OF SEQ ID NOS: 1392  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 387  
LENGTH: 4068  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-954-531-387

Query Match 100.0%; Score 31; DB 10; Length 4068;  
Best Local Similarity 100.0%; Pred. No. 0.0006;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ATCATTGCTCCCTGCTGCTATCATGCCAACT 31  
DB 1093 ATCATTGCTCCCTGCTGCTATCATGCCAACT 1123

RESULT 13  
US-09-918-624B-3  
Sequence 3, Application US/09918624B  
Publication No. US20030113720A1  
GENERAL INFORMATION:  
APPLICANT: Scheyde, Xiao Min  
TITLE OF INVENTION: CDNAS EXPRESSED IN ADIPOCYTE DIFFERENTIATION  
FILE REFERENCE: PA-0033 US  
CURRENT APPLICATION NUMBER: US/09/918,624B  
CURRENT FILING DATE: 2002-12-03  
PRIOR APPLICATION NUMBER: 60/222,470  
PRIOR FILING DATE: 2000-07-28

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; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 6084
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030113720A1 344741.1
; NAME/KEY: unsure
; LOCATION: 1638, 1645, 1650, 1656, 1658-1659, 1661, 1667, 1669, 1675, 2055-2094,
; LOCATION: 2640-2663, 5680, 5684, 5699, 5725-5726
; OTHER INFORMATION: a, t, c, g, or other
US-09-918-624B-3

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Query Match      100.0%; Score 31; DB 11; Length 6084;
Best Local Similarity 100.0%; Pred. No. 0.00063;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 ATCATGTGCTCCCTGCTATCATGCCCACT 31
Db      1270 ATCATGTGCTCCCTGCTATCATGCCCACT 1300

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RESULT 14
US-09-764-891-8179
; Sequence 8179, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 8179
; LENGTH: 14416
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-8179

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Query Match      100.0%; Score 31; DB 11; Length 14416;
Best Local Similarity 100.0%; Pred. No. 0.00071;
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY      1 ATCATGTGCTCCCTGCTATCATGCCCACT 31
Db      13179 ATCATGTGCTCCCTGCTATCATGCCCACT 13209

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RESULT 15
US-10-034-650-46/c
; Sequence 46, Application US/10034650
; Publication No. US20030216558A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 529452000128
; CURRENT APPLICATION NUMBER: US/10/034,650
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 09/474,377
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 63720

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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-034-650-46

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Query Match      68.4%; Score 21.2; DB 12; Length 63720;
Best Local Similarity 88.5%; Pred. No. 20;
Matches 23; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

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QY      5 TTGCTCCCTGCTATCATGCCCAAC 30
Db      61141 TTCTCCCTGCTATCATGCCCAAC 61116

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 02:47:47 ; Search time 33.2558 Seconds  
(without alignments)  
398.171 Million cell updates/sec

Title: US-09-913-524-35

Perfect score: 30  
Sequence: 1 accatgcctcctcgtatcatgcacac 30

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:\*  
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2: /cgn2\_6/prodata/1/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/prodata/1/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/prodata/1/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/prodata/1/ina/PCTUS\_COMB.seq:\*  
6: /cgn2\_6/prodata/1/ina/backfillseq1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB	ID	Description
1	28.4	94.7	1633	1	US-08-197-792-42	Sequence 42, Appl
2	28.4	94.7	1633	1	US-08-459-850-42	Sequence 42, Appl
3	28.4	94.7	1633	1	US-08-459-214-42	Sequence 42, Appl
4	28.4	94.7	1840	4	US-09-016-434-1200	Sequence 1200, Ap
5	20.4	68.0	3588	1	US-08-197-792-32	Sequence 32, Appl
6	20.4	68.0	3588	1	US-08-459-850-32	Sequence 32, Appl
7	20.4	68.0	3588	1	US-08-459-214-32	Sequence 32, Appl
8	19.4	64.7	1667	1	US-08-455-550-1	Sequence 1, Appl
9	18.8	62.7	1628	3	US-09-147-522-3	Sequence 3, Appl
10	18.8	62.7	5000	3	US-09-147-522-5	Sequence 5, Appl
11	18.4	61.3	1664976	4	US-08-916-421B-1	Sequence 1, Appl
12	17.8	59.3	328	1	US-08-455-550-5	Sequence 5, Appl
13	17.8	59.3	400	1	US-07-764-731B-5	Sequence 5, Appl
14	17.8	59.3	406	1	US-08-163-877-7	Sequence 7, Appl
15	17.8	59.3	406	1	US-08-360-914B-7	Sequence 7, Appl
16	17.8	59.3	406	1	US-08-741-589A-7	Sequence 7, Appl
17	17.8	59.3	406	5	PCT-US94-13181-7	Sequence 7, Appl
18	17.8	59.3	497	4	US-08-868-452-43	Sequence 43, Appl
19	17.8	59.3	1442	1	US-08-247-908A-1	Sequence 1, Appl
20	17.8	59.3	1442	1	US-08-453-942-1	Sequence 1, Appl
21	17.8	59.3	1442	1	US-08-926-885A-1	Sequence 1, Appl
22	17.8	59.3	1442	5	PCT-US94-05290-1	Sequence 1, Appl
23	17.8	59.3	1487	3	US-09-232-468A-23	Sequence 23, Appl
24	17.8	59.3	1487	4	US-09-784-984B-18	Sequence 18, Appl
25	17.8	59.3	2923	1	US-08-377-292-6	Sequence 6, Appl
26	17.8	59.3	2923	2	US-07-989-847-7	Sequence 7, Appl
27	17.8	59.3	2923	3	US-08-469-411-7	Sequence 7, Appl

28	17.8	59.3	2923	6	5187076-5	Patent No. 5187076
29	17.8	59.3	12687	1	US-08-676-169-1	Sequence 1, Appl
30	17.8	59.3	12687	3	US-08-981-459-1	Sequence 1, Appl
31	17.8	59.3	12687	4	US-09-063-433A-1	Sequence 1, Appl
32	17.6	58.7	507	4	US-09-641-638-48	Sequence 48, Appl
33	17.4	58.0	276	3	US-09-206-903A-3	Sequence 3, Appl
34	17.4	58.0	276	3	US-09-206-903A-10	Sequence 10, Appl
35	17.4	58.0	276	3	US-09-202-122-3	Sequence 3, Appl
36	17.4	58.0	276	3	US-09-202-122-10	Sequence 10, Appl
37	17.4	58.0	276	3	US-09-206-935-20	Sequence 20, Appl
38	17.4	58.0	276	3	US-09-206-935-21	Sequence 21, Appl
39	17.4	58.0	276	4	US-09-206-936-20	Sequence 20, Appl
40	17.4	58.0	276	4	US-09-206-936-21	Sequence 21, Appl
41	17.4	58.0	276	4	US-09-919-622A-3	Sequence 3, Appl
42	17.4	58.0	276	4	US-09-919-622A-10	Sequence 10, Appl
43	17.4	58.0	459	5	PCT-US93-01676A-7	Sequence 7, Appl
44	17.4	58.0	459	5	PCT-US93-01676A-8	Sequence 8, Appl
45	17.4	58.0	592	3	US-07-721-847A-1	Sequence 1, Appl

#### ALIGNMENTS

RESULT 1  
US-08-197-792-42  
Sequence 42, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
INVENTOR: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDING ADDRESS:  
ADDRESSER: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasek, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1633 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-42

Query Match 94.7%; Score 28.4; DB 1; Length 1633;  
Best Local Similarity 96.7%; Pred. No. 0.0011;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGTTATCATGCCAAC 30  
DB 1251 ATCATGCTCCCTGCTGCTATCATGCCAAC 1280

## RESULT 2

US-08-459-850-42  
Sequence 42, Application US/08459850  
Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasek, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2DS  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1633 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-42

Query Match 94.7%; Score 28.4; DB 1; Length 1633;  
Best Local Similarity 96.7%; Pred. No. 0.0011;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGTTATCATGCCAAC 30  
DB 1251 ATCATGCTCCCTGCTGCTATCATGCCAAC 1280

## RESULT 3

US-08-459-214-42  
Sequence 42, Application US/08459214  
Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasek, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2DS  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881



TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1633 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-42

Query Match 94.7%; Score 28.4; DB 1; Length 1633;  
Best Local Similarity 96.7%; Pred. No. 0.0011;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGTATCATGCCAAC 30  
DB 1251 ATCATGCTCCCTCTGGTATCATGCCAAC 1280

## RESULT 4

US-09-016-434-1200  
Sequence 1200 Application US/09016434  
Patent No. 6500938  
GENERAL INFORMATION:  
APPLICANT: Janice Au-Young  
APPLICANT: Jeffrey J. Seilhamer  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
NUMBER OF SEQUENCES: 1490  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/016,434  
FILING DATE: HEREWITH  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0002 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 1200:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1840 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GENBANK  
CLONE: 9181946  
US-09-016-434-1200

Query Match 94.7%; Score 28.4; DB 4; Length 1840;  
Best Local Similarity 96.7%; Pred. No. 0.0011;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGTATCATGCCAAC 30  
DB 1100 ATCATGCTCCCTCTGGTATCATGCCAAC 1129

RESULT 5  
US-08-197-792-32  
Sequence 32 Application US/08197792  
Patent No. 5525488

GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3588 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-32

Query Match 68.0%; Score 20.4; DB 1; Length 3588;  
Best Local Similarity 80.0%; Pred. No. 5;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGGTATCATGCCAAC 30  
DB 1042 ATCATGCTCCCTCTGGTATCATGCCAAC 1071

RESULT 6  
US-08-459-850-32  
Sequence 32 Application US/08459850

Patent No. 5655568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3588 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-32

Query Match 68.0%; Score 20.4; DB 1; Length 3588;  
Best Local Similarity 80.0%; Pred. No. 5;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGTATCATGCCAAC 30  
|||||  
Db 1042 ATCATGCTCCCTCTGTATCATGCCAAC 1071

RESULT 7  
US-08-459-214-32  
Sequence 32, Application US/08459214

Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3588 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-32

Query Match 68.0%; Score 20.4; DB 1; Length 3588;  
Best Local Similarity 80.0%; Pred. No. 5;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGTATCATGCCAAC 30  
|||||  
Db 1042 ATCATGCTCCCTCTGTATCATGCCAAC 1071

RESULT 8  
US-08-455-550-1  
Sequence 1, Application US/08455550

```

; Patent No. 5670338
; GENERAL INFORMATION:
; APPLICANT: MURAKAMI, KAZUO
; APPLICANT: UENO, NAOTO
; APPLICANT: KATO, YUKIO
; TITLE OF INVENTION: XENOPUS LAEVIS BONE MORPHOGENETIC PROTEINS AND USE THE
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dike, Bronsteijn, Roberts & Cushman
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/455,550
; FILING DATE: 31-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/056,564
; FILING DATE: 30-APR-1993
; APPLICATION NUMBER: 07/577,892
; FILING DATE: 05-SEP-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Eisenstein, Ronald I
; REGISTRATION NUMBER: 30628
; REFERENCE/DOCKET NUMBER: 40302-FWC-DIV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
;
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1667 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE:
; ORIGINAL SOURCE:
;
; US-08-455-550-1

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Query Match 64.7%; Score 19.4; DB 1; Length 1667;  
Best Local Similarity 79.3%; Pred. No. 12;  
Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGATTATCATGCCAA 29  
Db 777 ATCATGACACTCTCTGCTACATGCCAA 805

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; Patent No. 5670338
; GENERAL INFORMATION:
; APPLICANT: MURAKAMI, KAZUO
; APPLICANT: UENO, NAOTO
; APPLICANT: KATO, YUKIO
; TITLE OF INVENTION: XENOPUS LAEVIS BONE MORPHOGENETIC PROTEINS AND USE THE
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dike, Bronsteijn, Roberts & Cushman
; STREET: 130 Water Street
; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/455,550
; FILING DATE: 31-MAY-1995
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/056,564
; FILING DATE: 30-APR-1993
; APPLICATION NUMBER: 07/577,892
; FILING DATE: 05-SEP-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Eisenstein, Ronald I
; REGISTRATION NUMBER: 30628
; REFERENCE/DOCKET NUMBER: 40302-FWC-DIV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-523-3400
; TELEFAX: 617-523-6440
;
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1667 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE:
; ORIGINAL SOURCE:
;
; US-08-455-550-1

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Query Match 64.7%; Score 19.4; DB 1; Length 1667;  
Best Local Similarity 79.3%; Pred. No. 12;  
Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGATTATCATGCCAA 29  
Db 777 ATCATGACACTCTCTGCTACATGCCAA 805

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; EARLIER APPLICATION NUMBER: PCT/EP7/03589
; EARLIER FILING DATE: 1997-07-03
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1628
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (34)..(1494)
;
; US-09-147-522-3

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Query Match 62.7%; Score 18.8; DB 3; Length 1628;  
Best Local Similarity 76.7%; Pred. No. 22;  
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGATTATCATGCCAAC 30  
Db 470 ATCATTCCTCTCTGATTACATTCAAC 441

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; EARLIER APPLICATION NUMBER: PCT/EP7/03589
; EARLIER FILING DATE: 1997-07-03
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1628
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (34)..(1494)
;
; US-09-147-522-3

```

Query Match 62.7%; Score 18.8; DB 3; Length 1628;  
Best Local Similarity 76.7%; Pred. No. 22;  
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGATTATCATGCCAAC 30  
Db 470 ATCATTCCTCTCTGATTACATTCAAC 441

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; EARLIER APPLICATION NUMBER: PCT/EP7/03589
; EARLIER FILING DATE: 1997-07-03
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1628
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (34)..(1494)
;
; US-09-147-522-3

```

Query Match 62.7%; Score 18.8; DB 3; Length 1628;  
Best Local Similarity 76.7%; Pred. No. 22;  
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGATTATCATGCCAAC 30  
Db 470 ATCATTCCTCTCTGATTACATTCAAC 441

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; EARLIER APPLICATION NUMBER: PCT/EP7/03589
; EARLIER FILING DATE: 1997-07-03
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1628
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (34)..(1494)
;
; US-09-147-522-3

```

Query Match 62.7%; Score 18.8; DB 3; Length 1628;  
Best Local Similarity 76.7%; Pred. No. 22;  
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGATTATCATGCCAAC 30  
Db 470 ATCATTCCTCTCTGATTACATTCAAC 441

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; EARLIER APPLICATION NUMBER: PCT/EP7/03589
; EARLIER FILING DATE: 1997-07-03
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 3
; LENGTH: 1628
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (34)..(1494)
;
; US-09-147-522-3

```

Query Match 62.7%; Score 18.8; DB 3; Length 1628;  
Best Local Similarity 76.7%; Pred. No. 22;  
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGATTATCATGCCAAC 30  
Db 470 ATCATTCCTCTCTGATTACATTCAAC 441

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NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 1664976
ORGANISM: Methanococcus jannaschii
NAME:
NAME/KEY: misc_feature
LOCATION: (28222)..(28222)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (28257)..(28258)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84773)..(84773)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84808)..(84808)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84812)..(84812)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98120)..(98120)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98159)..(98159)
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NAME/KEY: misc_feature
LOCATION: (98239)..(98239)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98266)..(98266)
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NAME/KEY: misc_feature
LOCATION: (98343)..(98343)
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NAME/KEY: misc_feature
LOCATION: (10398)..(10398)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
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OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
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OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191989)..(191989)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191995)..(191995)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (231980)..(231980)
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LOCATION: (234220)..(234220)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234814)..(234814)
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NAME/KEY: misc_feature
LOCATION: (309398)..(309398)
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NAME/KEY: misc_feature
LOCATION: (309418)..(309418)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312837)..(312837)
OTHER INFORMATION: n equals a, t, c, or g

NAME/KEY: misc_feature
LOCATION: (312993)..(312993)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (319226)..(319226)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559167)..(559167)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559241)..(559241)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (600992)..(600992)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (622708)..(622708)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657081)..(657081)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657203)..(657203)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (674435)..(674435)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (682442)..(682442)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (713652)..(713652)
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NAME/KEY: misc_feature
LOCATION: (741684)..(741684)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779455)..(779455)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779676)..(779676)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (855539)..(855539)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (871619)..(871619)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1084830)..(1084830)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1096846)..(1096846)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1119881)..(1119881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1130881)..(1130881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1310988)..(1310988)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1313224)..(1313224)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349473)..(1349473)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349491)..(1349491)
OTHER INFORMATION: n equals a, t, c, or g
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LOCATION: (1470091)..(1470091)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1569020)..(1569020)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1602912)..(1602912)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1603734)..(1603734)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1637998)..(1637998)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1664854)..(1664854)  
OTHER INFORMATION: n equals a, t, c, or g  
US-08-916-421B-1

Query Match 61.3%; Score 18.4; DB 4; Length 1664976;  
Best Local Similarity 78.6%; Pred. No. 1.1e+02;  
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGTTATCATGCCA 28  
Db 61675 ATCATGTTCTCTGTTATCATGCCA 61702

RESULT 12  
US-08-455-550-5  
Sequence 5, Application US/08455550  
Patent No. 5670338  
GENERAL INFORMATION:  
APPLICANT: MURAKAMI, KAZUO  
APPLICANT: UENO, NAOTO  
APPLICANT: KATO, YUKIO  
TITLE OF INVENTION: XENOPUS LAEVIS BONE MORPHOGENETIC PROTEINS AND USE THE  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dike, Bronshtein, Roberts & Cushman  
STREET: 130 Water Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/455,550  
FILING DATE: 31-MAY-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/056,564  
FILING DATE: 30-APR-1993  
APPLICATION NUMBER: 07/577,892  
FILING DATE: 05-SEP-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Eisenstein, Ronald I  
REGISTRATION NUMBER: 30628  
REFERENCE/DOCKET NUMBER: 40302-FWC-DIV  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-523-3400  
TELEFAX: 617-523-6440  
TELEX: 200291  
INFORMATION FOR SEQ. ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 328 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE:  
ORIGINAL SOURCE:  
US-08-455-550-5

Query Match 59.3%; Score 17.8; DB 1; Length 328;  
Best Local Similarity 75.9%; Pred. No. 45;  
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGTTATCATGCCA 29  
Db 263 ATTATTGCTCCCTGTTATCATGACCTA 291

RESULT 13  
US-07-764-731B-5  
Sequence 5, Application US/07764731B  
Patent No. 5366875  
GENERAL INFORMATION:  
APPLICANT: Rosen, Vicki A.  
APPLICANT: Wang, Elizabeth A.  
APPLICANT: Mooney, John M.  
TITLE OF INVENTION: Methods for Producing BMP-7 Proteins  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Legal Affairs, Genetics Institute, Inc.  
STREET: 87 CambridgePark Drive  
CITY: Cambridge  
STATE: MA  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/764,731B  
FILING DATE: 19910924  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Kapinos, Ellen J.  
REGISTRATION NUMBER: 32,245  
REFERENCE/DOCKET NUMBER: G15159B  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-876-1170  
TELEFAX: 617-876-5851  
INFORMATION FOR SEQ. ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 400 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: cDNA to mRNA  
HYPOTHETICAL: NO  
FRAGMENT TYPE: C-terminal  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
CELL LINE: U2-OS Osteosarcoma  
IMMEDIATE SOURCE:  
LIBRARY: U2-OS human osteosarcoma cDNA library  
CLONE: U2-7  
POSITION IN GENOME:  
UNITS: bp  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..399  
FEATURE:  
NAME/KEY: mat\_peptide  
LOCATION: 1..400  
FEATURE:

NAME/KEY: mRNA  
LOCATION: 1..400  
US-07-764-731B-5

Query Match 59.3%; Score 17.8; DB 1; Length 406;  
Best Local Similarity 75.9%; Pred. No. 47;  
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGTTATCATGCCAA 29  
Db 145 ATCATGCAACCAAGGCTATGCTGCCAA 173

## RESULT 14

US-08-163-877-7  
Sequence 7, Application US/08163877  
Patent No. 539677  
GENERAL INFORMATION:  
APPLICANT: McCoy, John  
APPLICANT: Murray, Beth  
APPLICANT: Wolfman, Neil  
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc - Legal Affairs  
STREET: 87 Cambridgepark Drive  
City: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/163,877  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lazar, Steven R.  
REGISTRATION NUMBER: 32,618  
REFERENCE/DOCKET NUMBER: GI 5219  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617 876-1170 x 8260  
TELEFAX: 617 876-5851  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 406 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
ORIGINAL SOURCE:  
ORGANISM: bmp-6  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..396  
US-08-163-877-7

Query Match 59.3%; Score 17.8; DB 1; Length 406;  
Best Local Similarity 75.9%; Pred. No. 47;  
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGTTATCATGCCAA 29  
Db 145 ATCATGCAACCAAGGCTATGCTGCCAA 173

RESULT 15  
US-08-360-914B-7  
Sequence 7, Application US/08360914B  
Patent No. 5756308

GENERAL INFORMATION:  
APPLICANT: Neil M. WOLFMAN and John MCCOY  
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc - Legal Affairs  
STREET: 87 Cambridgepark Drive  
City: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/360,914B  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/163,877  
FILING DATE: December 7, 1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Lazar, Steven R.  
REGISTRATION NUMBER: 32,618  
REFERENCE/DOCKET NUMBER: GI 5219B  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617 498-8260  
TELEFAX: 617 876-5851

INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 406 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
ORGANISM: bmp-6  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..396  
US-08-360-914B-7

Query Match 59.3%; Score 17.8; DB 1; Length 406;  
Best Local Similarity 75.9%; Pred. No. 47;  
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGTTATCATGCCAA 29  
Db 145 ATCATGCAACCAAGGCTATGCTGCCAA 173

Search completed: December 5, 2003, 03:08:21  
Job time : 35.2558 secs

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: December 5, 2003, 03:03:18 ; Search time 402.326 Seconds  
(without alignments)  
247.829 Million cell updates/sec

Title: US-09-913-524-35  
Perfect score: 30  
Sequence: 1 atccatgcctccctcgtatcatgcacac 30

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 2201672 seqs, 1661799599 residues

Total number of hits satisfying chosen parameters: 4403344

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Published Applications NA.\*  
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2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*  
3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*  
4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*  
5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*  
6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq:\*  
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8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*  
9: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*  
10: /cgn2\_6/ptodata/1/pubpna/US09B\_PUBCOMB.seq:\*  
11: /cgn2\_6/ptodata/1/pubpna/US09C\_PUBCOMB.seq:\*  
12: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*  
13: /cgn2\_6/ptodata/1/pubpna/US10A\_PUBCOMB.seq:\*  
14: /cgn2\_6/ptodata/1/pubpna/US10B\_PUBCOMB.seq:\*  
15: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*  
16: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*  
17: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	28.4	94.7	405	9 US-09-962-436-169	Sequence 169, App
2	28.4	94.7	425	12 US-09-738-630-95	Sequence 95, App
3	28.4	94.7	494	11 US-09-918-995-24537	Sequence 24537, A
4	28.4	94.7	1620	14 US-10-084-817-59	Sequence 59, App
5	28.4	94.7	1840	12 US-10-241-220-15	Sequence 15, App
6	28.4	94.7	1840	12 US-10-301-822-88	Sequence 88, App
7	28.4	94.7	1840	14 US-10-171-311-94	Sequence 94, App
8	28.4	94.7	1840	14 US-10-177-293-231	Sequence 231, App
9	28.4	94.7	2462	14 US-10-198-846-13039	Sequence 13039, A
10	28.4	94.7	4068	9 US-09-962-436-295	Sequence 295, App
11	28.4	94.7	4068	10 US-09-954-531-182	Sequence 182, App
12	28.4	94.7	4068	10 US-09-954-531-387	Sequence 387, App
13	28.4	94.7	6084	11 US-09-918-624B-3	Sequence 3, Appl
14	28.4	94.7	14416	11 US-09-764-891-8179	Sequence 8179, Ap
15	19.6	65.3	63720	12 US-10-034-650-46	Sequence 46, Appl
C 16	19.6	65.3	63720	14 US-10-105-637-4	Sequence 4, Appl

C 17	19.4	64.7	611	12 US-10-027-632-201917	Sequence 201917,
C 18	19.4	64.7	611	12 US-10-027-632-201918	Sequence 201918,
C 19	19.4	64.7	611	12 US-10-027-632-201917	Sequence 201917,
C 20	19.4	64.7	611	13 US-10-027-632-201918	Sequence 201918,
C 21	19.4	64.7	611	13 US-10-133-937-86	Sequence 86, Appl
C 22	19.4	64.7	611	12 US-10-341-434-138	Sequence 138, Ap
C 23	19.4	64.7	611	11 US-09-764-891-9774	Sequence 9774, Ap
C 24	19.4	64.7	611	11 US-09-764-891-9773	Sequence 9773, Ap
C 25	18.8	62.7	3108	12 US-10-094-749-1009	Sequence 1009, Ap
C 26	18.8	62.7	186510	12 US-10-043-715-1	Sequence 1, Appl
C 27	18.6	62.0	815	12 US-10-027-632-170123	Sequence 170123,
C 28	18.6	62.0	815	12 US-10-027-632-170123	Sequence 170123,
C 29	18.6	62.0	843	13 US-10-027-632-165408	Sequence 165408,
C 30	18.6	62.0	843	13 US-10-027-632-165408	Sequence 165408,
C 31	18.6	62.0	368004	10 US-09-949-654-3	Sequence 3, Appl
C 32	18.4	61.3	486	11 US-09-764-872-225	Sequence 225, App
C 33	18.4	61.3	664	12 US-10-027-632-254190	Sequence 254190,
C 34	18.4	61.3	664	12 US-10-027-632-254191	Sequence 254191,
C 35	18.4	61.3	664	13 US-10-027-632-254190	Sequence 254190,
C 36	18.4	61.3	664	13 US-10-027-632-254191	Sequence 254191,
C 37	18.4	61.3	892	12 US-10-027-632-120415	Sequence 120415,
C 38	18.4	61.3	892	13 US-10-027-632-120415	Sequence 120415,
C 39	18.4	61.3	159095	14 US-10-017-128-3	Sequence 3, Appl
C 40	18.2	60.7	2482	10 US-09-880-107-2238	Sequence 2238, Ap
C 41	18	60.0	603	12 US-10-027-632-63672	Sequence 63672, A
C 42	18	60.0	603	12 US-10-027-632-63672	Sequence 63672, A
C 43	18	60.0	603	12 US-10-027-632-310443	Sequence 310443, A
C 44	18	60.0	603	12 US-10-027-632-63672	Sequence 63672, A
C 45	18	60.0	603	13 US-10-027-632-63725	Sequence 63725, A

#### ALIGNMENTS

RESULT 1  
US-09-962-436-169/c  
; Sequence 169, Application US/09962436  
; Patent No. US20020081301A1  
GENERAL INFORMATION:  
; APPLICANT: Soppet, Daniel  
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signature  
; FILE REFERENCE: 689290-75  
; CURRENT APPLICATION NUMBER: US/09/962,436  
; CURRENT FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,082  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/234,924  
; PRIOR FILING DATE: 2000-09-25  
; NUMBER OF SEQ ID NOS: 568  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 169  
; LENGTH: 405  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; NAME/KEY: misc.feature  
; OTHER INFORMATION: n=a,t,g or c  
US-09-962-436-169

Query Match 94.7% Score 28.4; DB 9; Length 405;  
Best Local Similarity 96.7% Pred. No. 0.0067; Indels 0; Gaps 0;  
Matches 29; Conservative 0; Mismatches 1;

QY 1 ATCATGCTCCCTCGGTATCATGCCAAC 30  
DB 384 ATCATGCTCCCTCGGTATCATGCCAAC 355

RESULT 2  
US-09-738-630-95  
; Sequence 95, Application US/09738630  
; Publication No. US20030166213A1

GENERAL INFORMATION:  
APPLICANT: Greenpan, Ralph J.  
TITLE OF INVENTION: Methods For Identifying Compounds That  
TITLE OF INVENTION: Modulate Kinase Orders Related To Nitric Oxide/ cGMP-Dependent  
FILE REFERENCE: P-NI 3906  
CURRENT APPLICATION NUMBER: US/09/738,630  
CURRENT FILING DATE: 2000-12-15  
NUMBER OF SEQ ID NOS: 105  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 95  
LENGTH: 425  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)...(390)  
US-09-738-630-95

Query Match 94.7%; Score 28.4; DB 12; Length 425;  
Best Local Similarity 96.7%; Pred. No. 0.0068;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGCTATCATGCCAAC 30  
DB 127 ATCATGCTCCCTCTGCTATCATGCCAAC 156

RESULT 3  
US-09-918-995-24537  
Sequence 24537, Application US/09918995  
Publication No. US20030073623A1  
GENERAL INFORMATION:  
APPLICANT: Hyseq, Inc.  
TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED  
TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES  
FILE REFERENCE: 20411-756  
CURRENT APPLICATION NUMBER: US/09/918,995  
CURRENT FILING DATE: 2001-07-30  
PRIOR APPLICATION NUMBER: US/09/235,076  
PRIOR FILING DATE: 1999-01-20  
NUMBER OF SEQ ID NOS: 38054  
SOFTWARE: FastSeq for Windows Version 3.0  
SEQ ID NO 24537  
LENGTH: 494  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (1)...(494)  
OTHER INFORMATION: n = A, T, C or G  
US-09-918-995-24537

Query Match 94.7%; Score 28.4; DB 11; Length 494;  
Best Local Similarity 96.7%; Pred. No. 0.007;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGCTATCATGCCAAC 30  
DB 158 ATCATGCTCCCTCTGCTATCATGCCAAC 187

RESULT 4  
US-10-084-817-59  
Sequence 59, Application US/10084817  
Publication No. US20030119009A1  
GENERAL INFORMATION:  
APPLICANT: Susan Stuart  
APPLICANT: Jed G. Nuchtern  
APPLICANT: Sharon E. Pion  
APPLICANT: Jason M. Shohet  
TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION

FILE REFERENCE: PA-0046 US  
CURRENT APPLICATION NUMBER: US/10/084,817  
CURRENT FILING DATE: 2002-02-25  
PRIOR APPLICATION NUMBER: 60/270,784  
PRIOR FILING DATE: 2001-02-23  
NUMBER OF SEQ ID NOS: 365  
SOFTWARE: PERL Program  
SEQ ID NO 59  
LENGTH: 1620  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc feature  
OTHER INFORMATION: Incyte ID No. US20030119009A1 3526170CB1  
NAME/KEY: unsure  
LOCATION: 120  
OTHER INFORMATION: a, t, c, g, or other  
US-10-084-817-59

Query Match 94.7%; Score 28.4; DB 14; Length 1620;  
Best Local Similarity 96.7%; Pred. No. 0.0085;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGCTATCATGCCAAC 30  
DB 1230 ATCATGCTCCCTCTGCTATCATGCCAAC 1259

RESULT 5  
US-10-241-220-15  
Sequence 15, Application US/10241220  
Publication No. US20030148408A1  
GENERAL INFORMATION:  
APPLICANT: Frantz, Gretchen  
APPLICANT: Hillan, Kenneth J.  
APPLICANT: Phillips, Heidi  
APPLICANT: Polakis, Paul  
APPLICANT: Spencer, Susan  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wu, Thomas  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND  
TITLE OF INVENTION: TREATMENT OF TUMOR  
FILE REFERENCE: P5010R1-US  
CURRENT APPLICATION NUMBER: US/10/241,220  
CURRENT FILING DATE: 2002-12-13  
NUMBER OF SEQ ID NOS: 120  
SEQ ID NO 15  
LENGTH: 1840  
TYPE: DNA  
ORGANISM: Homo Sapien  
US-10-241-220-15

Query Match 94.7%; Score 28.4; DB 12; Length 1840;  
Best Local Similarity 96.7%; Pred. No. 0.0087;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGCTATCATGCCAAC 30  
DB 1100 ATCATGCTCCCTCTGCTATCATGCCAAC 1129

RESULT 6  
US-10-301-822-88  
Sequence 88, Application US/10301822  
Publication No. US20030148410A1  
GENERAL INFORMATION:  
APPLICANT: Millennium Pharmaceuticals, Inc.  
APPLICANT: Berger, Allison  
APPLICANT: Gulliemette, Tracy L.  
APPLICANT: Kamatkar, Shubhangi  
APPLICANT: Schlegel, Robert  
APPLICANT: Monahan, John E.



APPLICANT: Thibodeau, Stephen N.  
APPLICANT: Burgart, Lawrence J.  
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND  
TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
TITLE OF INVENTION: THERAPY OF COLON CANCER  
FILE REFERENCE: MP001-029P2RNM  
CURRENT APPLICATION NUMBER: US/10/301,822  
CURRENT FILING DATE: 2002-11-21  
PRIOR APPLICATION NUMBER: US 60/339,971  
PRIOR FILING DATE: 2001-12-10  
PRIOR APPLICATION NUMBER: US 60/361,978  
PRIOR FILING DATE: 2002-03-05  
PRIOR APPLICATION NUMBER: US 60/381,988  
PRIOR FILING DATE: 2002-05-20  
NUMBER OF SEQ ID NOS: 228  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 88  
LENGTH: 1840  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (86)...(1366)  
US-10-301-822-88

Query Match 94.7%; Score 28.4; DB 12; Length 1840;  
Best Local Similarity 96.7%; Pred. No. 0.0087; 1; Indels 0; Gaps 0;  
Matches 29; Conservative 0; Mismatches 1;

Qy 1 ATCATGCTCCCTCTGCTATCATGCCAAC 30  
Db 1100 ATCATGCTCCCTCTGCTATCATGCCAAC 1129

RESULT 7  
US-10-171-311-94  
Sequence 94, Application US/10171311  
Publication No. US20030087270A1  
GENERAL INFORMATION:  
APPLICANT: Schlegel, Robert  
APPLICANT: Chen, Yan  
APPLICANT: Zhao, Xumei  
APPLICANT: Monahan, John  
APPLICANT: Kamatkar, Shubhangi  
APPLICANT: Glat, Karen  
APPLICANT: Ganavathapu, Manjula  
APPLICANT: Hoersch, Sebastian  
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY  
TITLE OF INVENTION: OF CERVICAL CANCER  
FILE REFERENCE: MRI-035  
CURRENT APPLICATION NUMBER: US/10/171,311  
CURRENT FILING DATE: 2002-06-12  
PRIOR APPLICATION NUMBER: US 60/298,159  
PRIOR FILING DATE: 2001-06-13  
PRIOR APPLICATION NUMBER: US 60/298,155  
PRIOR FILING DATE: 2001-06-13  
PRIOR APPLICATION NUMBER: US 60/335,936  
PRIOR FILING DATE: 2001-11-14  
NUMBER OF SEQ ID NOS: 238  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 94  
LENGTH: 1840  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-171-311-94

Query Match 94.7%; Score 28.4; DB 14; Length 1840;  
Best Local Similarity 96.7%; Pred. No. 0.0087; 1; Indels 0; Gaps 0;  
Matches 29; Conservative 0; Mismatches 1;

Qy 1 ATCATGCTCCCTCTGCTATCATGCCAAC 30  
|||||

Db 1100 ATCATGCTCCCTCTGCTATCATGCCAAC 1129

RESULT 8  
US-10-177-293-231  
Sequence 231, Application US/10177293  
Publication No. US20030124128A1  
GENERAL INFORMATION:  
APPLICANT: Lillie, James  
APPLICANT: Glat, Karen  
APPLICANT: Zhao, Xumei  
APPLICANT: Ganavathapu, Manjula  
APPLICANT: Kamatkar, Shubhangi  
APPLICANT: Mertens, Maureen  
APPLICANT: Myer, Vic  
APPLICANT: Wang, Youzhen  
APPLICANT: Xu, Yongyao  
APPLICANT: Hoersch, Sebastian  
APPLICANT: Monahan, John  
APPLICANT: Meyers, Rachel E.  
APPLICANT: Bast Jr., Robert C.  
APPLICANT: Hortobagyi, Gabriel N.  
APPLICANT: Puzstai, Lajos  
APPLICANT: Mexic, Funda  
APPLICANT: Sahin, Aysegul  
APPLICANT: Mills, Gordon B.  
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,  
TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER  
FILE REFERENCE: MRI-038  
CURRENT APPLICATION NUMBER: US/10/177,293  
CURRENT FILING DATE: 2002-06-21  
PRIOR APPLICATION NUMBER: US 60/299,887  
PRIOR FILING DATE: 2001-06-21  
PRIOR APPLICATION NUMBER: US 60/301,572  
PRIOR FILING DATE: 2001-06-27  
PRIOR APPLICATION NUMBER: US 60/306,501  
PRIOR FILING DATE: 2001-07-18  
PRIOR APPLICATION NUMBER: US 60/325,002  
PRIOR FILING DATE: 2001-09-25  
PRIOR APPLICATION NUMBER: US 60/362,585  
PRIOR FILING DATE: 2002-03-05  
PRIOR APPLICATION NUMBER: US 60/xxx,xxx  
PRIOR FILING DATE: 2002-05-14  
NUMBER OF SEQ ID NOS: 506  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 231  
LENGTH: 1840  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-177-293-231

Query Match 94.7%; Score 28.4; DB 14; Length 1840;  
Best Local Similarity 96.7%; Pred. No. 0.0087; 1; Indels 0; Gaps 0;  
Matches 29; Conservative 0; Mismatches 1;

Qy 1 ATCATGCTCCCTCTGCTATCATGCCAAC 30  
Db 1100 ATCATGCTCCCTCTGCTATCATGCCAAC 1129

RESULT 9  
US-10-198-846-13039  
Sequence 13039, Application US/10198846  
Publication No. US2003009974A1  
GENERAL INFORMATION:  
APPLICANT: Lillie, James  
APPLICANT: Xu, Yongyao  
APPLICANT: Wang, Youzhen  
APPLICANT: Steinmann, Kathleen  
APPLICANT: Kamatkar, Shubhangi  
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS  
TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
FILE REFERENCE: MRI-049

CURRENT APPLICATION NUMBER: US/10/198,846  
CURRENT FILING DATE: 2002-07-18  
PRIOR APPLICATION NUMBER: 60/306,220  
PRIOR FILING DATE: 2001-07-18  
NUMBER OF SEQ ID NOS: 14084  
SOFTWARE: FASTSEQ for Windows Version 4.0  
SEQ ID NO 13039  
LENGTH: 2462  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: misc\_feature  
LOCATION: 1, 2, 2460, 2461, 2462  
OTHER INFORMATION: n = A,T,C or G  
US-10-198-846-13039

Query Match 94.7%; Score 28.4; DB 14; Length 2462;  
Best Local Similarity 96.7%; Pred. No. 0.0091;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGTTATCATGCCAAC 30  
DB 1296 ATCATGCTCCCTGCTGTTATCATGCCAAC 1325

RESULT 10  
US-09-962-436-295  
Sequence 295, Application US/09962436  
Patent No. US20020081301A1  
GENERAL INFORMATION:  
APPLICANT: Soper, Daniel  
TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
TITLE OF INVENTION: Sets  
FILE REFERENCE: 689290-75  
CURRENT APPLICATION NUMBER: US/09/962,436  
CURRENT FILING DATE: 2001-09-25  
PRIOR APPLICATION NUMBER: US/60/235,082  
PRIOR FILING DATE: 2000-09-25  
PRIOR APPLICATION NUMBER: US/60/234,924  
PRIOR FILING DATE: 2000-09-25  
NUMBER OF SEQ ID NOS: 568  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 295  
LENGTH: 4068  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-962-436-295

Query Match 94.7%; Score 28.4; DB 9; Length 4068;  
Best Local Similarity 96.7%; Pred. No. 0.0099;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGTTATCATGCCAAC 30  
DB 1093 ATCATGCTCCCTGCTGTTATCATGCCAAC 1122

RESULT 11  
US-09-954-531-182  
Sequence 182, Application US/09954531  
Patent No. US20020165180A1  
GENERAL INFORMATION:  
APPLICANT: Weaver, Zoe  
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc  
TITLE OF INVENTION: Gene Sets  
FILE REFERENCE: 689290-77  
CURRENT APPLICATION NUMBER: US/09/954,531  
CURRENT FILING DATE: 2002-05-02  
PRIOR APPLICATION NUMBER: US/60/233,133  
PRIOR FILING DATE: 2000-09-18  
PRIOR APPLICATION NUMBER: US/60/234,009  
PRIOR FILING DATE: 2000-09-20  
PRIOR APPLICATION NUMBER: US/60/234,034

PRIOR FILING DATE: 2000-09-20  
PRIOR APPLICATION NUMBER: US/60/234,509  
PRIOR FILING DATE: 2000-09-22  
PRIOR APPLICATION NUMBER: US/60/234,567  
PRIOR FILING DATE: 2000-09-22  
NUMBER OF SEQ ID NOS: 1392  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 182  
LENGTH: 4068  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-954-531-182

Query Match 94.7%; Score 28.4; DB 10; Length 4068;  
Best Local Similarity 96.7%; Pred. No. 0.0099;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGTTATCATGCCAAC 30  
DB 1093 ATCATGCTCCCTGCTGTTATCATGCCAAC 1122

RESULT 12  
US-09-954-531-387  
Sequence 387, Application US/09954531  
Patent No. US20020165180A1  
GENERAL INFORMATION:  
APPLICANT: Weaver, Zoe  
TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc  
TITLE OF INVENTION: Gene Sets  
FILE REFERENCE: 689290-77  
CURRENT APPLICATION NUMBER: US/09/954,531  
CURRENT FILING DATE: 2002-05-02  
PRIOR APPLICATION NUMBER: US/60/233,133  
PRIOR FILING DATE: 2000-09-18  
PRIOR APPLICATION NUMBER: US/60/234,009  
PRIOR FILING DATE: 2000-09-20  
PRIOR APPLICATION NUMBER: US/60/234,034  
PRIOR FILING DATE: 2000-09-20  
PRIOR APPLICATION NUMBER: US/60/234,509  
PRIOR FILING DATE: 2000-09-22  
PRIOR APPLICATION NUMBER: US/60/234,567  
PRIOR FILING DATE: 2000-09-22  
NUMBER OF SEQ ID NOS: 1392  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 387  
LENGTH: 4068  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-954-531-387

Query Match 94.7%; Score 28.4; DB 10; Length 4068;  
Best Local Similarity 96.7%; Pred. No. 0.0099;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGTTATCATGCCAAC 30  
DB 1093 ATCATGCTCCCTGCTGTTATCATGCCAAC 1122

RESULT 13  
US-09-918-624B-3  
Sequence 3, Application US/09918624B  
Publication No. US20030113720A1  
GENERAL INFORMATION:  
APPLICANT: Schebye, Xiao Min  
TITLE OF INVENTION: CDNA EXPRESSED IN ADIPOCYTE DIFFERENTIATION  
FILE REFERENCE: PA-0033 US  
CURRENT APPLICATION NUMBER: US/09/918,624B  
CURRENT FILING DATE: 2002-12-03  
PRIOR APPLICATION NUMBER: 60/222,470  
PRIOR FILING DATE: 2000-07-28

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; NUMBER OF SEQ ID NOS: 71
; SOFTWARE: PERL Program
; SEQ ID NO 3
; LENGTH: 6084
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. US20030113720A1 344741.1
; NAME/KEY: unsure
; LOCATION: 1638, 1645, 1650, 1656, 1658-1659, 1661, 1667, 1669, 1675, 2055-2094,
; LOCATION: 2640-2663, 5680, 5684, 5699, 5725-5726
; OTHER INFORMATION: a, t, c, g, or other
US-09-918-624B-3

```

```

Query Match          94.7%; Score 28.4; DB 11; Length 6084;
Best Local Similarity 96.7%; Pred. No. 0.011;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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```

QY      1 ATCATGTCCCTCGTGTATCATGCCAAC 30
DB      1270 ATCATGTCCCTCGTGTATCATGCCAAC 1299

```

```

RESULT 14
US-09-764-891-8179
; Sequence 8179, Application US/09764891
; Publication No. US20030077808A1
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies
; FILE REFERENCE: PC006
; CURRENT APPLICATION NUMBER: US/09/764,891
; CURRENT FILING DATE: 2001-01-17
; Prior application data removed - consult PALM or file wrapper
; NUMBER OF SEQ ID NOS: 10231
; SOFTWARE: Patent Ver. 2.0
; SEQ ID NO 8179
; LENGTH: 14416
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-764-891-8179

```

```

Query Match          94.7%; Score 28.4; DB 11; Length 14416;
Best Local Similarity 96.7%; Pred. No. 0.012;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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```

QY      1 ATCATGTCCCTCGTGTATCATGCCAAC 30
DB      13179 ATCATGTCCCTCGTGTATCATGCCAAC 13208

```

```

RESULT 15
US-10-034-650-46/c
; Sequence 46, Application US/10034650
; Publication No. US20030216558A1
; GENERAL INFORMATION:
; APPLICANT: Morris, David
; APPLICANT: Engelhard, Eric
; TITLE OF INVENTION: NOVEL COMPOSITIONS AND METHODS FOR
; FILE REFERENCE: 529452000128
; CURRENT APPLICATION NUMBER: US/10/034,650
; CURRENT FILING DATE: 2002-07-23
; PRIOR APPLICATION NUMBER: US 09/474,377
; PRIOR FILING DATE: 1999-12-29
; PRIOR APPLICATION NUMBER: US 09/798,586
; PRIOR FILING DATE: 2001-03-02
; NUMBER OF SEQ ID NOS: 61
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 63720

```

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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-034-650-46

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Query Match          65.3%; Score 19.6; DB 12; Length 63720;
Best Local Similarity 84.6%; Pred. No. 1.3e+02;
Matches 22; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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QY      5 TTGCTCCCTCGTGTATCATGCCAAC 30
DB      61141 TTTCCTCCCTCGTGTATCATGCCAAC 61116

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Search completed: December 5, 2003, 06:10:29
Job time : 403.326 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: February 2, 2004, 15:10:27 ; Search time 14 Seconds  
(without alignments)  
75.555 Million cell updates/sec

Title: US-09-913-524-1  
Sequence: 1 PMSFSAIRLRPPEPAHANCHR 25

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents AA:  
1: /cgn2\_6/ptodata/1/1aa/5A\_COMB.pep:\*  
2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PTCUTS\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	143	100.0	351	US-08-197-792-39	Sequence 39, Appl
2	143	100.0	351	US-08-459-850-39	Sequence 39, Appl
3	143	100.0	351	US-08-459-214-39	Sequence 39, Appl
4	131	91.6	364	US-08-197-792-29	Sequence 29, Appl
5	131	91.6	364	US-08-459-850-29	Sequence 29, Appl
6	131	91.6	364	US-08-459-214-29	Sequence 29, Appl
7	110	76.9	122	US-08-581-5238-16	Sequence 16, Appl
8	110	76.9	122	US-08-455-559-22	Sequence 22, Appl
9	110	76.9	122	US-08-525-5968-26	Sequence 26, Appl
10	110	76.9	122	US-08-581-528A-16	Sequence 16, Appl
11	110	76.9	122	US-09-097-615-16	Sequence 16, Appl
12	110	76.9	122	US-09-177-860A-26	Sequence 26, Appl
13	110	76.9	122	US-08-624-635-18	Sequence 18, Appl
14	110	76.9	122	US-09-145-060-22	Sequence 22, Appl
15	110	76.9	122	US-09-629-938-26	Sequence 26, Appl
16	110	76.9	122	PCT-US94-00657-22	Sequence 22, Appl
17	110	76.9	122	PCT-US94-07752-16	Sequence 16, Appl
18	110	76.9	122	PCT-US94-07759-16	Sequence 16, Appl
19	106	74.1	121	US-08-481-377-20	Sequence 20, Appl
20	106	74.1	121	US-08-491-835-18	Sequence 18, Appl
21	106	74.1	121	US-09-153-733A-20	Sequence 20, Appl
22	106	74.1	121	US-08-946-092A-18	Sequence 18, Appl
23	106	74.1	121	US-09-172-062-18	Sequence 18, Appl
24	106	74.1	121	US-09-301-520D-18	Sequence 18, Appl
25	106	74.1	121	US-09-389-705-20	Sequence 20, Appl
26	106	74.1	121	PCT-US94-00666-20	Sequence 20, Appl
27	106	74.1	121	PCT-US94-00665-18	Sequence 18, Appl

28	96	67.1	26	1	US-08-197-792-1	Sequence 1, Appl
29	96	67.1	26	1	US-08-459-850-1	Sequence 1, Appl
30	96	67.1	26	1	US-08-459-214-1	Sequence 1, Appl
31	75	52.4	116	1	US-08-197-792-38	Sequence 38, Appl
32	75	52.4	116	1	US-08-459-850-38	Sequence 38, Appl
33	75	52.4	116	1	US-08-459-214-38	Sequence 38, Appl
34	73	51.0	27	2	US-09-072-323-6	Sequence 4, Appl
35	73	51.0	28	2	US-09-072-323-6	Sequence 6, Appl
36	63	44.1	312	4	US-09-252-991A-30114	Sequence 30114, A
37	61	42.7	101	1	US-08-481-633B-2	Sequence 2, Appl
38	61	42.7	101	1	US-08-480-433A-2	Sequence 2, Appl
39	61	42.7	101	1	US-08-482-638A-2	Sequence 2, Appl
40	60	42.0	145	4	US-09-252-991A-32524	Sequence 32524, A
41	54.5	38.1	1832	3	US-09-335-409-4	Sequence 4, Appl
42	54.5	38.1	1832	4	US-09-568-102-4	Sequence 4, Appl
43	54.5	38.1	1832	4	US-09-567-969-4	Sequence 4, Appl
44	54.5	38.1	1832	4	US-09-568-460-4	Sequence 4, Appl
45	54.5	38.1	1832	4	US-09-568-466-4	Sequence 4, Appl

## ALIGNMENTS

RESULT 1  
US-08-197-792-39  
Sequence 39, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 39:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 351 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-197-792-39

Query Match 100.0%; Score 143; DB 1; Length 351;  
Best Local Similarity 100.0%; Pred. No. 4.5e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PWSPSALRLLRPEEPAAHANCHR 25  
DB 225 PWSPSALRLLRPEEPAAHANCHR 249

RESULT 2  
US-08-459-850-39  
Sequence 39, Application US/08459850  
Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2DS  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 39:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 351 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-459-850-39

Query Match 100.0%; Score 143; DB 1; Length 351;  
Best Local Similarity 100.0%; Pred. No. 4.5e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PWSPSALRLLRPEEPAAHANCHR 25  
DB 225 PWSPSALRLLRPEEPAAHANCHR 249

RESULT 3  
US-08-459-214-39  
Sequence 39, Application US/08459214  
Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 39:

SEQUENCE CHARACTERISTICS:  
LENGTH: 351 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-459-214-39

Query Match 100.0%; Score 143; DB 1; Length 351;  
Best Local Similarity 100.0%; Pred. No. 4,5e-12;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 FMSPALRLQRPPEPAHANCHR 25  
DB 225 FMSPALRLQRPPEPAHANCHR 249

## RESULT 4

US-08-197-792-29

Sequence 29, Application US/08197792

Patent No. 5525488

GENERAL INFORMATION:

APPLICANT: Anthony J. Mason

TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/197,792

FILING DATE: 16-FEB-1994

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 297P2D4

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 29:

SEQUENCE CHARACTERISTICS:

LENGTH: 364 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-197-792-29

Query Match 91.6%; Score 131; DB 1; Length 364;  
Best Local Similarity 88.0%; Pred. No. 2.1e-10;  
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 FMSPALRLQRPPEPAHANCHR 25  
DB 238 FMSPALRLQRPPEPAHANCHR 262

## RESULT 5

US-08-459-850-29

Sequence 29, Application US/08459850

Patent No. 5665568

GENERAL INFORMATION:

APPLICANT: Anthony J. Mason

TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or

TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide

TITLE OF INVENTION: Using such Nucleic Acid

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,850

FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792

FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 297P2D5

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 29:

SEQUENCE CHARACTERISTICS:

LENGTH: 364 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-459-850-29

Query Match 91.6%; Score 131; DB 1; Length 364;

Best Local Similarity 88.0%; Pred. No. 2.1e-10;  
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Oy 1 PMSPALRLQRPPEPAHANCHR 25  
Db 238 PMSPALRLQRPPEPAHANCHR 262

## RESULT 6

US-08-459-214-29  
Sequence 29, Application US/08455214

Patent No. 5716810

GENERAL INFORMATION:

APPLICANT: Anthony J. Mason

APPLICANT: Peter H. Seeburg

TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or

TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide

TITLE OF INVENTION: Using such Nucleic Acid

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,214

FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792

FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 297P2D6

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168

INFORMATION FOR SEQ ID NO: 29:

SEQUENCE CHARACTERISTICS:

LENGTH: 364 amino acids

TYPE: amino acid

TOPOLOGY: linear

US-08-459-214-29

Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Oy 1 PMSPALRLQRPPEPAHANCHR 25  
Db 238 PMSPALRLQRPPEPAHANCHR 262

## RESULT 7

US-08-581-529B-16  
Sequence 16, Application US/08581529B

Patent No. 5770444

GENERAL INFORMATION:

APPLICANT: Lee, Se-Jin

APPLICANT: Huynh, Thanh

TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6

TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6

NUMBER OF SEQUENCES: 21

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson

STREET: 4225 Executive Square, Suite 1400

CITY: La Jolla

STATE: California

COUNTRY: USA

ZIP: 92037

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/581,529B

FILING DATE: 15-APR-1996

CLASSIFICATION: 536

ATTORNEY/AGENT INFORMATION:

NAME: Lisa A. Haille, Ph.D.

REGISTRATION NUMBER: 38,347

REFERENCE/DOCKET NUMBER: 07265/082001

TELECOMMUNICATION INFORMATION:

TELEPHONE: (619) 678-5099

TELEFAX: (619) 678-5070

INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:

LENGTH: 122 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

IMMEDIATE SOURCE:

CLONE: Inhibin-alpha

FEATURE:

NAME/KEY: Protein

LOCATION: 1..122

US-08-581-529B-16

Query Match 76.9%; Score 110; DB 1; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;

Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 6 ALRLQRPPEPAHANCHR 25  
Db 1 ALRLQRPPEPAHANCHR 20

## RESULT 8

US-08-455-559-22

Sequence 22, Application US/08455559

Patent No. 5801014

GENERAL INFORMATION:

APPLICANT: LEE, SE-JIN

APPLICANT: HUYNH, THANH

TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5

TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5

NUMBER OF SEQUENCES: 27

CORRESPONDENCE ADDRESS:

ADDRESSEE: SPENSLLEY HORN JUBAS & LUBITZ



STREET: 1880 CENTURY PARK EAST, FIFTH FLOOR  
CITY: LOS ANGELES  
STATE: CALIFORNIA  
COUNTRY: US  
ZIP: 90067  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/455,559  
FILING DATE: 31-MAY-1995  
CLASSIFICATION: 435  
PRIORITY APPLICATION DATA:  
APPLICATION NUMBER: US 08/003,144  
FILING DATE: 12-JAN-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: WETHERELL, JR. PH.D., JOHN R.  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: PD2280  
TELEPHONE: 619/455-5100  
TELEFAX: 619-455-5110  
INFORMATION FOR SEQ ID NO: 22:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibit-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-455-559-22

Query Match 76.9%; Score 110; DB 1; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAHANCHR 25  
DB 1 ALRLQRPPEPPAHANCHR 20

RESULT 9  
US-08-525-596B-26  
Sequence 26, Application US/08525596B  
Patent No. 5827733  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
APPLICANT: Lee, Se-jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/525,596B  
FILING DATE: 19-SEP-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US94/07762  
FILING DATE: 08-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Wetherell, Jr., Ph.D., John R.  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: 07265/075001  
TELEPHONE: 619-678-5070  
TELEFAX: 619-678-5099  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibit-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-525-596B-26

Query Match 76.9%; Score 110; DB 2; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPPAHANCHR 25  
DB 1 ALRLQRPPEPPAHANCHR 20

RESULT 10  
US-08-581-528A-16  
Sequence 16, Application US/08581528A  
Patent No. 5986058  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
APPLICANT: Lee, Se-jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-7  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson, P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/581,528A  
FILING DATE: 03-SEP-1993  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/089,670  
FILING DATE: 09-JUL-1993  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Hallie, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/081001  
TELEPHONE: 619/678-5070  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-581-528A-16

Query Match 76.9%; Score 110; DB 2; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPPAHANCHR 25  
DB 1 ALRLQRPPEPPAHANCHR 20

## RESULT 11

US-09-097-616-16  
Sequence 16, Application US/09097616  
Patent No. 6090563  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: California  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/097,616  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/581,529  
FILING DATE: 15-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Hallie, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/082001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 678-5070  
TELEFAX: (619) 678-5099  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-09-097-616-16

Query Match 76.9%; Score 110; DB 3; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPPAHANCHR 25  
DB 1 ALRLQRPPEPPAHANCHR 20

## RESULT 12

US-09-177-860A-26  
Sequence 26, Application US/09177860A  
Patent No. 6096506  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
TITLE OF INVENTION: ANTIDIODES SPECIFIC FOR GROWTH DIFFERENTIATION FACTOR-8 AN  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Gray Cary Ware & Freidenrich LLP  
STREET: 4365 Executive Drive, Suite 1600  
CITY: San Diego  
STATE: CA  
COUNTRY: US  
ZIP: 92121

## COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/177,860A  
CLASSIFICATION: 424  
FILING DATE: 23-OCT-1998  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/525,596  
FILING DATE: 19-SEP-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Hallie, Ph.D, Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/075003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 858-677-1456  
TELEFAX: 858-677-1465  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-09-177-860A-26

Query Match 76.9%; Score 110; DB 3; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 6 ALRLQRPPEPPAHANCHR 25  
DB 1 ALRLQRPPEPPAHANCHR 20

## RESULT 13

US-08-624-635-18  
Sequence 18, Application US/08624635  
Patent No. 6204047  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Spensley Horn Jhuas & Lubitz  
STREET: 1880 Century Park East, Suite 500  
CITY: Los Angeles  
STATE: California

Query Match 76.9%; Score 110; DB 3; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

COUNTRY: USA  
ZIP: 90067  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/624,635  
FILING DATE: 16-AUG-1996  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/134,078  
FILING DATE: 08-OCT-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Wetherell, Jr., Ph.D., John R.,  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: PD-3054  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 455-5100  
TELEFAX: (619) 455-5110  
INFORMATION FOR SEQ ID NO: 18:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-624-635-18

Query Match 76.9%; Score 110; DB 3; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 ALRLQRPPEPPAHANCHR 25  
Db 1 ALRLQRPPEPPAHANCHR 20

RESULT 14  
US-09-145-060-22  
Sequence 22, Application US/09145060  
Patent No. 6245896  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Fish & Richardson, P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/145,060  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/455,559  
FILING DATE: 31-MAY-1995  
APPLICATION NUMBER: 08/003,144  
FILING DATE: 12-JAN-1993

ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Halle, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/057001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619/678-5070  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 22:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
US-09-145-060-22

Query Match 76.9%; Score 110; DB 3; Length 122;  
Best Local Similarity 100.0%; Pred. No. 4.9e-08;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 ALRLQRPPEPPAHANCHR 25  
Db 1 ALRLQRPPEPPAHANCHR 20

RESULT 15  
US-09-629-938-26  
Sequence 26, Application US/09629938  
Patent No. 650664  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
Lee, Se-jin  
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR GROWTH DIFFERENTIATION  
FACTOR-8 AND METHODS OF USING SAME (Amended)  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Gray Cary Ware & Freidenrich LLP  
STREET: 4365 Executive Drive, Suite 1600  
CITY: San Diego  
STATE: CA  
COUNTRY: US  
ZIP: 92121  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/629,938  
FILING DATE: 01-AUG-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/177,860  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Halle, Ph.D. Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/075003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 858-677-1456  
TELEFAX: 858-677-1465  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122



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OM protein - protein search, using sw model

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(without alignments)  
188,931 Million cell updates/sec

Title: US-09-913-524-1

Perfect score: 143  
Sequence: 1 PMSPSALRLQRPPEBPAHANCHR 25

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Gapop 10.0, Gapext 0.5

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Total number of hits satisfying chosen parameters: 789580

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Published Applications\_AA:\*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	143	100.0	134	12	US-10-125-187-2 Sequence 2, Appl
2	143	100.0	134	10	US-09-813-398-18 Sequence 18, Appl
3	110	76.9	122	10	US-09-813-459-18 Sequence 18, Appl
4	110	76.9	122	10	US-09-859-211-44 Sequence 44, Appl
5	110	76.9	122	10	US-09-880-708-22 Sequence 22, Appl
6	110	76.9	122	11	US-09-872-856-44 Sequence 44, Appl
7	110	76.9	122	15	US-10-335-483-26 Sequence 26, Appl
8	106	74.1	121	14	US-10-115-406-18 Sequence 18, Appl
9	106	74.1	121	15	US-10-154-333-20 Sequence 20, Appl
10	100	69.9	26	12	US-09-930-915A-252 Sequence 252, Appl
11	100	69.9	26	12	US-10-082-014-74 Sequence 74, Appl
12	100	69.9	26	12	US-10-372-076-75 Sequence 75, Appl
13	80	55.9	14	12	US-10-125-187-7 Sequence 7, Appl
14	80	55.9	14	12	US-10-125-187-41 Sequence 41, Appl
15	76	53.1	14	12	US-10-125-187-5 Sequence 5, Appl

16	76	53.1	14	12	US-10-125-187-38 Sequence 38, Appl
17	73	51.0	14	12	US-10-125-187-39 Sequence 39, Appl
18	72	50.3	14	12	US-10-125-187-8 Sequence 8, Appl
19	72	50.3	14	12	US-10-125-187-42 Sequence 42, Appl
20	71	49.7	14	12	US-10-125-187-37 Sequence 37, Appl
21	70	49.0	14	12	US-10-125-187-6 Sequence 6, Appl
22	70	49.0	14	12	US-10-125-187-40 Sequence 40, Appl
23	61	42.7	101	12	US-10-262-581-2 Sequence 2, Appl
24	59	41.3	14	12	US-10-125-187-4 Sequence 4, Appl
25	59	41.3	14	12	US-10-125-187-36 Sequence 36, Appl
26	55.5	38.8	133	12	US-10-108-260A-2916 Sequence 2916, Ap
27	55.5	38.8	368	9	US-09-768-703-2 Sequence 2, Appl
28	55.5	38.8	368	12	US-10-272-983-6 Sequence 6, Appl
29	55.5	38.8	368	12	US-10-312-094-3 Sequence 3, Appl
30	55.5	38.8	368	12	US-10-393-807-6 Sequence 6, Appl
31	55.5	38.8	368	12	US-10-417-820A-6 Sequence 6, Appl
32	55.5	38.8	368	15	US-10-225-567A-627 Sequence 6, Appl
33	55.5	38.8	368	15	US-10-220-382-4 Sequence 4, Appl
34	54.5	38.1	1832	14	US-10-014-717-4 Sequence 4, Appl
35	51.5	36.0	116	9	US-09-864-761-40290 Sequence 40290, A
36	50.5	35.3	2439	14	US-10-014-717-7 Sequence 7, Appl
37	50	35.0	14	12	US-10-125-187-35 Sequence 35, Appl
38	50	35.0	454	15	US-10-156-761-13939 Sequence 13939, A
39	50	35.0	3122	12	US-10-200-562-201 Sequence 201, App
40	50	35.0	3122	12	US-10-237-551-201 Sequence 201, App
41	50	35.0	3122	12	US-10-237-551-250 Sequence 250, App
42	49.5	34.6	448	12	US-10-369-493-13741 Sequence 13741, A
43	49	34.3	517	15	US-10-156-761-9172 Sequence 9172, Ap
44	49	34.3	2301	11	US-09-822-871-4 Sequence 4, Appl
45	48.5	33.9	70	12	US-09-864-408A-8162 Sequence 8162, Ap

#### ALIGNMENTS

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RESULT 1
US-10-125-187-2
; Sequence 2, Application US/10125187
; Publication No. US20030162229A1
; GENERAL INFORMATION:
; APPLICANT: MILNE-ROBERTSON, David M.
; APPLICANT: STANTON, Peter G.
; APPLICANT: CAHR, Nicholas F.
; TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS
; TITLE OF INVENTION: METHODS OF USING SAME
; FILE REFERENCE: 10338-9
; CURRENT APPLICATION NUMBER: US/10/125,187
; CURRENT FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: PCT/AU00/01248
; PRIOR FILING DATE: 2000-10-18
; PRIOR APPLICATION NUMBER: AU PQ 9162
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: AU PQ 3485
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 134
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: alpha C fragment of human inhibin
US-10-125-187-2
Query Match 100.0%; Score 143; DB 12; Length 134;
Best Local Similarity 100.0%; Pred. No. 1.3e-10;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Cy 1 PMSPSALRLQRPPEBPAHANCHR 25
Db 8 PMSPSALRLQRPPEBPAHANCHR 32
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RESULT 2  
US-09-813-398-18  
Sequence 18, Application US/09813398  
Patent No. US20020169292A1  
GENERAL INFORMATION:  
APPLICANT: Bruce D. Weintrub  
APPLICANT: Mariusz W. Szudilinski  
APPLICANT: University of Maryland  
TITLE OF INVENTION: CYSTINE KNOT GROWTH FACTOR MUTANTS  
FILE REFERENCE: UOPMD 003C1  
CURRENT APPLICATION NUMBER: US/09/813,398  
CURRENT FILING DATE: 2001-03-20  
PRIOR APPLICATION NUMBER: PCT/US99/05908  
PRIOR FILING DATE: 1999-03-19  
PRIOR APPLICATION NUMBER: PCT/US98/19772  
PRIOR FILING DATE: 1998-09-22  
NUMBER OF SEQ ID NOS: 41  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 18  
LENGTH: 367  
TYPE: PRT  
ORGANISM: HOMO SAPIEN  
US-09-813-398-18

Query Match 100.0%; Score 143; DB 10; Length 367;  
Best Local Similarity 100.0%; Pred. No. 3.2e-10;  
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PWSPALRLQRPPEPAHANCHR 25  
Db 241 PWSPALRLQRPPEPAHANCHR 265

RESULT 3  
US-09-813-459-18  
Sequence 18, Application US/09813459  
Patent No. US20020107369A1  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-jin  
APPLICANT: Cunningham, No. US20020107369A1  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Spensley Horn Jubas & Lubitz  
STREET: 1880 Century Park East, Suite 500-  
CITY: Los Angeles  
STATE: California  
COUNTRY: USA  
ZIP: 90067  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/813,459  
FILING DATE: 20-Mar-2001  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/624,635  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Wetherell, Jr., Ph.D., John R.,  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: PD-3054  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 455-5100  
TELEFAX: (619) 455-5110  
INFORMATION FOR SEQ ID NO: 18:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single

TOPOLOGY: linear  
MOLECULAR TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
SEQUENCE DESCRIPTION: SEQ ID NO: 18:  
US-09-813-459-18

Query Match 76.9%; Score 110; DB 10; Length 122;  
Best Local Similarity 100.0%; Pred. No. 1.7e-06;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 ALRLQRPPEPAHANCHR 25  
Db 1 ALRLQRPPEPAHANCHR 20

RESULT 4  
US-09-859-211-44  
Sequence 44, Application US/09859211  
Patent No. US20020157125A1  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-jin  
APPLICANT: McPherron, Alexandra C.  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8  
FILE REFERENCE: 07265/144001  
CURRENT APPLICATION NUMBER: US/09/859,211  
CURRENT FILING DATE: 2001-05-15  
PRIOR APPLICATION NUMBER: 09/019,070  
PRIOR FILING DATE: 1998-02-05  
PRIOR APPLICATION NUMBER: 08/862,445  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: 08/847,910  
PRIOR FILING DATE: 1997-04-28  
PRIOR APPLICATION NUMBER: 08/795,071  
PRIOR FILING DATE: 1997-02-05  
PRIOR APPLICATION NUMBER: 08/525,596  
PRIOR FILING DATE: 1995-10-26  
PRIOR APPLICATION NUMBER: PCT/US94/03019  
PRIOR FILING DATE: 1994-03-18  
PRIOR APPLICATION NUMBER: 08/033,923  
PRIOR FILING DATE: 1993-03-19  
NUMBER OF SEQ ID NOS: 51  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 44  
LENGTH: 122  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-859-211-44

Query Match 76.9%; Score 110; DB 10; Length 122;  
Best Local Similarity 100.0%; Pred. No. 1.7e-06;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 ALRLQRPPEPAHANCHR 25  
Db 1 ALRLQRPPEPAHANCHR 20

RESULT 5  
US-09-880-708-22  
Sequence 22, Application US/09880708  
Patent No. US20020165361A1  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-jin  
APPLICANT: Huynh, Thanh  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5  
NUMBER OF SEQUENCES: 28  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Gray Cary Ware & Freidenrich LLP  
STREET: 4365 Executive Drive, Suite 1600

CITY: San Diego  
STATE: CA  
COUNTRY: USA  
ZIP: 92121-2189  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: PasteSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/880,708  
FILING DATE: 12-Jun-2001  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/145,060  
FILING DATE: <Unknown>  
APPLICATION NUMBER: 08/003,144  
FILING DATE: 12-JAN-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Haile, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/057002  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 858/677-1456  
TELEFAX: 619/677-1465  
INFORMATION FOR SEQ ID NO: 22:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibit-alpha  
SEQUENCE DESCRIPTION: SEQ ID NO: 22:  
US-09-880-708-22  
Query Match 76.9%; Score 110; DB 10; Length 122;  
Best Local Similarity 100.0%; Pred. No. 1,7e-06;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 6 ALRLQRPPEEPAHANCHR 25  
DB 1 ALRLQRPPEEPAHANCHR 20  
RESULT 6  
US-09-872-856-44  
Sequence 44, Application US/09872856  
Publication No. US20030074680A1  
GENERAL INFORMATION:  
APPLICANT: Johns Hopkins University School of Medicine  
APPLICANT: Lee, Se-Jin  
TITLE OF INVENTION: Growth Differentiation Factor-8  
FILE REFERENCE: JHU1120-17  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/872,856  
FILING DATE: 2001-06-01  
PRIOR APPLICATION NUMBER: US 09/124,180  
PRIOR FILING DATE: 1998-07-28  
PRIOR APPLICATION NUMBER: US 09/019,070  
PRIOR FILING DATE: 1998-02-05  
PRIOR APPLICATION NUMBER: US 08/862,445  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: US 08/847,910  
PRIOR FILING DATE: 1997-04-28  
PRIOR APPLICATION NUMBER: US 08/795,071  
PRIOR FILING DATE: 1997-02-05  
PRIOR APPLICATION NUMBER: US 08/525,596  
PRIOR FILING DATE: 1995-10-25  
PRIOR APPLICATION NUMBER: PCT/US 94/03019  
PRIOR FILING DATE: 1994-03-18  
PRIOR APPLICATION NUMBER: US 08/033,923  
PRIOR FILING DATE: 1993-03-19  
NUMBER OF SEQ ID NOS: 53

SOFTWARE: PatentIn version 3.1  
SEQ ID NO 44  
LENGTH: 122  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-872-856-44  
Query Match 76.9%; Score 110; DB 11; Length 122;  
Best Local Similarity 100.0%; Pred. No. 1,7e-06;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 6 ALRLQRPPEEPAHANCHR 25  
DB 1 ALRLQRPPEEPAHANCHR 20  
RESULT 7  
US-10-335-483-26  
Sequence 26, Application US/10335483  
Publication No. US20030120058A1  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
Lee, Se-Jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: PasteSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/335,483  
FILING DATE: 31-Dec-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/177,860  
FILING DATE: <Unknown>  
APPLICATION NUMBER: 08/525,596  
FILING DATE: 19-SEP-1995  
APPLICATION NUMBER: PCT/US94/07762  
FILING DATE: 08-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Metherell, Jr., Ph.D, John R.  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: 07265/075001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619-678-5070  
TELEFAX: 619-678-5099  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
SEQUENCE DESCRIPTION: SEQ ID NO: 26:  
US-10-335-483-26  
Query Match 76.9%; Score 110; DB 15; Length 122;  
Best Local Similarity 100.0%; Pred. No. 1,7e-06;  
Matches 20; Conservative 0; Mismatches 0; Indels 0; Gaps 0;





PRIOR FILING DATE: 2001-08-15  
NUMBER OF SEQ ID NOS: 290  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 74  
LENGTH: 26  
TYPE: PRT  
ORGANISM: Bovine Inhibin  
US-10-082-014-74

Query Match 69.9%; Score 100; DB 12; Length 26;  
Best Local Similarity 94.7%; Pred. No. 7.1e-06;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PMSPALRLQRPPEEPA 19  
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Db 8 PMSPALRLQRPPEEPA 26

RESULT 12  
US-10-372-076-75  
Sequence 75, Application US/10372076  
Publication No. US20030198645A1  
GENERAL INFORMATION:  
APPLICANT: Friede, Martin  
APPLICANT: Page, Mark  
TITLE OF INVENTION: STABILIZED HBG CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR  
TITLE OF INVENTION: CHRONIC HEPATITIS  
FILE REFERENCE: 4564/87179  
CURRENT APPLICATION NUMBER: US/10/372,076  
CURRENT FILING DATE: 2003-02-21  
PRIOR APPLICATION NUMBER: 10/080,299  
PRIOR FILING DATE: 2002-02-21  
PRIOR APPLICATION NUMBER: 10/082,014  
PRIOR FILING DATE: 2002-02-22  
NUMBER OF SEQ ID NOS: 308  
SOFTWARE: PatentIn version 3.2  
SEQ ID NO 75  
LENGTH: 26  
TYPE: PRT  
ORGANISM: Bovine Inhibin  
US-10-372-076-75

Query Match 69.9%; Score 100; DB 12; Length 26;  
Best Local Similarity 94.7%; Pred. No. 7.1e-06;  
Matches 18; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 PMSPALRLQRPPEEPA 19  
|||:|||||  
Db 8 PMSPALRLQRPPEEPA 26

RESULT 13  
US-10-125-187-7  
Sequence 7, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNE-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
APPLICANT: CAHR, Nicholas F.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGEN  
TITLE OF INVENTION: METHODS OF USING SAME  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIOR APPLICATION NUMBER: PCT/AU00/01248  
PRIOR FILING DATE: 2000-10-18  
PRIOR APPLICATION NUMBER: AU PQ 9162  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: AU PQ 3485  
PRIOR FILING DATE: 1999-10-18  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 7

LENGTH: 14  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURES:  
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 7 of  
OTHER INFORMATION: TABLE 1  
US-10-125-187-7

Query Match 55.9%; Score 80; DB 12; Length 14;  
Best Local Similarity 100.0%; Pred. No. 0.0013;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 LQRPPEEPAHANC 23  
|||:|||||  
Db 1 LQRPPEEPAHANC 14

RESULT 14  
US-10-125-187-41  
Sequence 41, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNE-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
APPLICANT: CAHR, Nicholas F.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGEN  
TITLE OF INVENTION: METHODS OF USING SAME  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIOR APPLICATION NUMBER: PCT/AU00/01248  
PRIOR FILING DATE: 2000-10-18  
PRIOR APPLICATION NUMBER: AU PQ 9162  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: AU PQ 3485  
PRIOR FILING DATE: 1999-10-18  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 41  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 8 of  
OTHER INFORMATION: TABLE 7  
US-10-125-187-41

Query Match 55.9%; Score 80; DB 12; Length 14;  
Best Local Similarity 100.0%; Pred. No. 0.0013;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 10 LQRPPEEPAHANC 23  
|||:|||||  
Db 1 LQRPPEEPAHANC 14

RESULT 15  
US-10-125-187-5  
Sequence 5, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNE-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
APPLICANT: CAHR, Nicholas F.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGEN  
TITLE OF INVENTION: METHODS OF USING SAME  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIOR APPLICATION NUMBER: PCT/AU00/01248  
PRIOR FILING DATE: 2000-10-18  
PRIOR APPLICATION NUMBER: AU PQ 9162  
PRIOR FILING DATE: 2000-08-03

; PRIOR APPLICATION NUMBER: AU PQ 3485  
; PRIOR FILING DATE: 1999-10-18  
; NUMBER OF SEQ ID NOS: 77  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 5  
; LENGTH: 14  
; TYPE: PRT  
; ORGANISM: Artificial Sequence  
; FEATURE:  
; OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 5 of  
; OTHER INFORMATION: TABLE 1  
US-10-125-187-5

Query Match 53.1%; Score 76; DB 12; Length 14;  
Best Local Similarity 100.0%; Pred. No. 0.0042;  
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2 WSPSALRLQRPPE 15  
Db 1 WSPSALRLQRPPE 14

Search completed: February 2, 2004, 15:23:57  
Job time : 28.5 secs

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: February 3, 2004, 15:48:45 ; Search time 27.4109 Seconds  
(without alignments)  
547.485 Million cell updates/sec

Title: US-09-913-524-32

Perfect score: 34

Sequence: 1 aggcctccggagagacgcgcctccatcccaact 34

Scoring table: IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:\*

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- 3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq:\*
- 4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq:\*
- 5: /cgn2\_6/ptodata/1/ina/PCRTUS\_COMB.seq:\*
- 6: /cgn2\_6/ptodata/1/ina/backfilest1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	34	100.0	1	US-08-197-792-40 Sequence 40, Appl
2	34	100.0	1	US-08-459-850-40 Sequence 40, Appl
3	34	100.0	1	US-08-459-214-40 Sequence 40, Appl
4	24.4	71.8	1	US-08-197-792-30 Sequence 30, Appl
5	24.4	71.8	1	US-08-459-850-30 Sequence 30, Appl
6	24.4	71.8	1	US-08-459-214-30 Sequence 30, Appl
7	21.8	64.1	1	US-09-252-991A-14968 Sequence 14968, A
8	21.8	64.1	1	US-09-252-991A-14782 Sequence 14782, A
9	20.2	59.4	4	US-09-008-097-3 Sequence 3, Appl
10	20.2	59.4	4	US-09-008-097-5 Sequence 5, Appl
11	20.2	59.4	1	US-07-793-961A-1 Sequence 1, Appl
12	20.2	59.4	1	US-08-240-357-1 Sequence 1, Appl
13	20.2	59.4	1	US-08-726-214-11 Sequence 11, Appl
14	20.2	59.4	4	US-09-474-076-1 Sequence 1, Appl
15	20.2	59.4	4	US-08-311-731A-137 Sequence 137, App
16	19.6	57.6	4	US-09-016-434-1412 Sequence 1412, Ap
17	19.4	57.1	4	US-09-679-279-1 Sequence 1, Appl
18	19.2	56.5	4	US-09-252-991A-9780 Sequence 9780, Ap
19	19	55.9	1	US-08-704-398-1 Sequence 1, Appl
20	19	55.9	5	PCT-US95-05966-1 Sequence 1, Appl
21	18.8	55.3	4	US-09-252-991A-16386 Sequence 16386, A
22	18.8	55.3	4	US-09-252-991A-16212 Sequence 16212, A
23	18.8	55.3	4	US-09-252-991A-16493 Sequence 16493, A
24	18.8	55.3	4	US-09-443-184-44 Sequence 44, Appl
25	18.8	55.3	4	US-09-205-258-124 Sequence 124, App
26	18.8	55.3	4	US-09-252-991A-16005 Sequence 16005, A
27	18.8	55.3	4	US-09-620-312D-464 Sequence 464, App

28	18.6	54.7	516	5	PCT-US95-02795A-3	Sequence 3, Appl
29	18.6	54.7	521	1	US-08-481-633B-1	Sequence 1, Appl
30	18.6	54.7	521	1	US-08-480-493A-1	Sequence 1, Appl
31	18.6	54.7	521	1	US-08-482-638A-1	Sequence 1, Appl
32	18.6	54.7	531	5	PCT-US95-02795A-1	Sequence 1, Appl
33	18.6	54.7	840	4	US-09-529-727-1	Sequence 1, Appl
34	18.6	54.7	1059	4	US-09-252-991A-7911	Sequence 7911, Ap
35	18.6	54.7	1338	4	US-09-252-991A-7764	Sequence 7764, Ap
36	18.6	54.7	1494	4	US-09-252-991A-7568	Sequence 7568, Ap
37	18.6	54.7	4473	3	US-08-894-173-1	Sequence 1, Appl
38	18.6	54.7	4473	3	US-09-398-193-1	Sequence 1, Appl
39	18.6	54.7	45546	4	US-09-146-053-6	Sequence 6, Appl
40	18.4	54.1	176	4	US-09-397-787-331	Sequence 331, App
41	18.4	54.1	613	2	US-08-658-639-11	Sequence 11, Appl
42	18.4	54.1	613	3	US-08-944-604-11	Sequence 11, Appl
43	18.4	54.1	903	3	US-08-944-604-15	Sequence 15, Appl
44	18.4	54.1	1607	4	US-09-853-768-13	Sequence 13, Appl
45	18.4	54.1	2497	4	US-09-396-149-1	Sequence 1, Appl

#### ALIGNMENTS

RESULT 1  
US-08-197-792-40  
Sequence 40, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 KB floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
CLASSIFICATION: 435  
FILING DATE: 16-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 40:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1237 bases  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-197-792-40

Query Match 100.0%; Score 34; DB 1; Length 1237;  
Best Local Similarity 100.0%; Pred. No. 0.00059;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 AGGCTCCGAGAACCGCTGCCATGCCACT 34  
Db 708 AGGCTCCGAGAACCGCTGCCATGCCACT 741

## RESULT 2

US-08-459-850-40  
; Sequence 40, Application US/08459850  
; Patent No. 5655568  
; GENERAL INFORMATION:  
; APPLICANT: Anthony J. Mason  
; APPLICANT: Peter H. Seeburg  
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
; TITLE OF INVENTION: Using such Nucleic Acid  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: patin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/459, 850  
; FILING DATE: 02-JUN-1995  
; CLASSIFICATION: 435  
; APPLICATION DATA:  
; APPLICATION NUMBER: 08/197792  
; FILING DATE: 17-FEB-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/958414  
; FILING DATE: 08-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/744207  
; FILING DATE: 12-AUG-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/215466  
; FILING DATE: 05-JUL-1988  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/906729  
; FILING DATE: 31-DEC-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/827710  
; FILING DATE: 07-FEB-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/783910  
; FILING DATE: 03-OCT-1985  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hasak, Janet E.  
; REGISTRATION NUMBER: 28,616  
; REFERENCE/DOCKET NUMBER: 297P2D5  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-1896  
; TELEFAX: 415/952-9881

TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 40:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1237 bases  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
US-08-459-850-40

Query Match 100.0%; Score 34; DB 1; Length 1237;  
Best Local Similarity 100.0%; Pred. No. 0.00059;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 AGGCTCCGAGAACCGCTGCCATGCCACT 34  
Db 708 AGGCTCCGAGAACCGCTGCCATGCCACT 741

## RESULT 3

US-08-459-214-40  
; Sequence 40, Application US/08459214  
; Patent No. 5716810  
; GENERAL INFORMATION:  
; APPLICANT: Anthony J. Mason  
; APPLICANT: Peter H. Seeburg  
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
; TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
; TITLE OF INVENTION: Using such Nucleic Acid  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: patin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/459, 214  
; FILING DATE: 02-JUN-1995  
; CLASSIFICATION: 435  
; APPLICATION DATA:  
; APPLICATION NUMBER: 08/197792  
; FILING DATE: 17-FEB-1994  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/958414  
; FILING DATE: 08-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/744207  
; FILING DATE: 12-AUG-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/215466  
; FILING DATE: 05-JUL-1988  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/906729  
; FILING DATE: 31-DEC-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/827710  
; FILING DATE: 07-FEB-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/783910  
; FILING DATE: 03-OCT-1985  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hasak, Janet E.  
; REGISTRATION NUMBER: 28,616  
; REFERENCE/DOCKET NUMBER: 297P2D6  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-1896  
; TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1237 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-40

Query Match 100.0%; Score 34; DB 1; Length 1237;  
Best Local Similarity 100.0%; Pred. No. 0.00059;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAGAACCGGCTGCCCATGCCACT 34  
DB 708 AGGCTCCGAGAGAACCGGCTGCCCATGCCACT 741

RESULT 4  
US-08-197-792-30  
Sequence 30, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1343 bases  
TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-30

Query Match 71.8%; Score 24.4; DB 1; Length 1343;  
Best Local Similarity 82.4%; Pred. No. 1.7;  
Matches 28; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAGAACCGGCTGCCCATGCCACT 34  
DB 816 AGGCTCCGAGAGAACCGGCTGCCCATGCCACT 849

RESULT 5  
US-08-459-850-30  
Sequence 30, Application US/08459850  
Patent No. 5663568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1343 bases  
TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-30

Query Match 71.8%; Score 24.4; DB 1; Length 1343;  
Best Local Similarity 82.4%; Pred. No. 1.7;  
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

OY 1 AGGCTCGGAGAACCGGCTGCCATGCCACT 34  
DB 816 AGGCTCGGAGAACCGGCTGCCATGCCACT 849

## RESULT 6

US-08-459-214-30  
Sequence 30, Application US/08459214  
Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using Such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/952-9881  
TELEFAX: 415/371-7168  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1343 bases  
TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-30

Query Match 71.8%; Score 24.4; DB 1; Length 1343;  
Best Local Similarity 82.4%; Pred. No. 1.7;  
Matches 26; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

OY 1 AGGCTCGGAGAACCGGCTGCCATGCCACT 34  
DB 816 AGGCTCGGAGAACCGGCTGCCATGCCACT 849

## RESULT 7

US-09-252-991A-14968/C  
Sequence 14968, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 107196.136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 14968  
LENGTH: 915  
TYPE: DNA  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-14968

Query Match 64.1%; Score 21.8; DB 4; Length 915;  
Best Local Similarity 78.8%; Pred. No. 15;  
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

OY 2 GGCTCGGAGAACCGGCTGCCATGCCACT 34  
DB 561 GGCTCGGAGAACCGGCTGCCATGCCACT 529

## RESULT 8

US-09-252-991A-14782  
Sequence 14782, Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 107196.136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 33142  
SEQ ID NO 14782  
LENGTH: 1011  
TYPE: DNA  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-14782

Query Match 64.1%; Score 21.8; DB 4; Length 1011;  
Best Local Similarity 78.8%; Pred. No. 15;  
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

OY 2 GGCTCGGAGAACCGGCTGCCATGCCACT 34  
DB 376 GGCTCGGAGAACCGGCTGCCATGCCACT 408



SOFTWARE: ASCII from DW4  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/793,961A  
FILING DATE: 19911118  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Gordon, Alan M.  
REGISTRATION NUMBER: 30,637  
REFERENCE/DOCKET NUMBER: 31,705  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 203 321 2719  
TELEFAX: 203 321 2971  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4046 base pairs listed  
TYPE: NUCLEIC ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-07-793-961A-1

Query Match 59.4%; Score 20.2; DB 1; Length 4046;  
Best Local Similarity 75.8%; Pred. No. 59;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGCTCCGAGGAAACGGCTGCCATGCCACT 34  
Db 1428 GGCTCCGAGGAGCCCGGAGACCATGCCACT 1460

RESULT 12  
US-08-240-357-1  
Sequence 1, Application US/08240357  
Patent No. 5578481  
GENERAL INFORMATION:  
APPLICANT: Ishikawa, Yoshihiro  
TITLE OF INVENTION: Cloning and Characterization of a  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: American Cyanamid Company  
STREET: One Cyanamid Plaza  
CITY: Wayne  
STATE: New Jersey  
COUNTRY: USA  
ZIP: 07470-8426  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentln Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/240,357  
FILING DATE: 10-MAY-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Gordon, Alan M.  
REGISTRATION NUMBER: 30,637  
REFERENCE/DOCKET NUMBER: 31,705-01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-831-3244  
TELEFAX: 201-831-3305  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4046 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)

FEATURE:  
NAME/KEY: CDS  
LOCATION: 131..3625  
US-08-240-357-1

Query Match 59.4%; Score 20.2; DB 1; Length 4046;  
Best Local Similarity 75.8%; Pred. No. 59;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGCTCCGAGGAAACGGCTGCCATGCCACT 34  
Db 1428 GGCTCCGAGGAGCCCGGAGACCATGCCACT 1460

RESULT 13  
US-08-726-214-11  
Sequence 11, Application US/08726214  
Patent No. 6107076  
GENERAL INFORMATION:  
APPLICANT: Tang, Wei-Jen  
APPLICANT: Gilman, Alfred G.  
TITLE OF INVENTION: SOLUBLE MAMMALIAN ADENYLYL CYCLASE  
TITLE OF INVENTION: AND USES THEREFOR  
NUMBER OF SEQUENCES: 31  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Arnold, White & Durkee  
STREET: P.O. Box 4433  
CITY: Houston  
STATE: Texas  
COUNTRY: United States of America  
ZIP: 77210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentln Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/726,214  
FILING DATE: Concurrently Herewith  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 60/005,498  
FILING DATE: 04-OCT-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Highlander, Steven L.  
REGISTRATION NUMBER: 37,642  
REFERENCE/DOCKET NUMBER: UTSD:450  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (512) 418-3000  
TELEFAX: (512) 474-7577  
INFORMATION FOR SEQ ID NO: 11:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4131 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-726-214-11

Query Match 59.4%; Score 20.2; DB 3; Length 4131;  
Best Local Similarity 75.8%; Pred. No. 59;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGCTCCGAGGAAACGGCTGCCATGCCACT 34  
Db 1353 GGCTCCGAGGAGCCCGGAGACCATGCCACT 1385

RESULT 14  
US-09-474-076-1  
Sequence 1, Application US/09474076  
Patent No. 6465237  
GENERAL INFORMATION:  
APPLICANT: Tomlinson, James E.



```

1  APPLICANT: COR Therapeutics, Inc.
2  TITLE OR INVENTION: CLONING AND CHARACTERIZATION OF A HUMAN ADENYLYL
3  TITLE OF INVENTION: CYCLASE
4  FILE REFERENCE: 44481-5028-01-US
5  CURRENT APPLICATION NUMBER: US/09/474, 076
6  CURRENT FILING DATE: 1999-12-12
7  PRIOR APPLICATION NUMBER: PCT/US98/13694
8  PRIOR FILING DATE: 1998-07-01
9  PRIOR APPLICATION NUMBER: 60/070,904
10 PRIOR FILING DATE: 1997-07-01
11 PRIOR APPLICATION NUMBER: 08/886,550
12 PRIOR FILING DATE: 1997-07-01
13 NUMBER OF SEQ ID NOS: 2
14 SOFTWARE: PatentIn Ver. 2.0
15 SEQ ID NO 1
16 LENGTH: 4942
17 TYPE: DNA
18 ORGANISM: human type VI adenylyl cyclase
19 FEATURE:
20 NAME/KEY: CDS
21 LOCATION: (145)..(3648)
22 US-09-474-076-1

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Query Match	59.4%	Score 20.2;	DB 4;	Length 4942;
Best Local Similarity	75.8%	Pred. No. 59;		
Matches	25;	Conservative	0;	Mismatches 8;
				Indels 0;
				Gaps 0;
QY	2	GGCCTCCGAGAAACCGGCTGCCCTATGCCCACT	34	
DB	1448	GGCTCCCGAAGACCCGGGCGCCACATATGCCCACT	1480	

RESULT 15  
 US-08-311-731A-137/C  
 Sequence 137 Application US/08311731A  
 Patent No. 6583266  
 GENERAL INFORMATION:  
 APPLICANT: SMITH, DOUGLAS  
 APPLICANT: MAO, JEN-I  
 TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES  
 TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR  
 TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
 NUMBER OF SEQUENCES: 411  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.  
 STREET: 600 ATLANTIC AVENUE  
 CITY: BOSTON  
 STATE: MASSACHUSETTS  
 COUNTRY: USA  
 ZIP: 02210  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.25  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/311,731A  
 FILING DATE:  
 CLASSIFICATION: 530  
 ATTORNEY/AGENT INFORMATION:  
 NAME: GATES, EDWARD R.  
 REGISTRATION NUMBER: 31,616  
 REFERENCE/DOCKET NUMBER: C0044/7125  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 617/720-3500  
 TELEFAX: 617/720-2441  
 INFORMATION FOR SEQ ID NO: 137:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 40123 base pairs  
 TYPE: nucleic acid  
 STRANDEDNESS: double  
 TOPOLOGY: circular  
 MOLECULE TYPE: DNA (genomic)

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;      ;      HYPOTHETICAL: NO
;      ;      ANTI-SENSE: NO
;      ;      ORIGINAL SOURCE:
;      ;      ORGANISM: Mycobacterium leprae
US-08-311-731A-137
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Query Match	59.4%	Score 20.2;	DB 4;	Length 40123;
Best Local Similarity	75.8%	Pred. No. 62;		
Matches 25; Conservative	0;	Mismatches 8;	Indels 0;	Gaps 0;

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Qy      2  GGCTCCGGAGGAACCGGCTGCCATGCCAACT 34
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Db      16258 GGCTCCTCAGTACCACTGCCAGTGCAACT 16226

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Search completed: February 3, 2004, 21:41:41  
Job time : 28.4109 secs

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GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: February 3, 2004, 21:23:30 ; Search time 121.767 Seconds  
(without alignments)  
1028.547 Million cell updates/sec

Title: US-09-913-524-32

Perfect score: 34  
Sequence: 1 aggcctccgaggaacgcgtccatgcacact 34

Scoring table: IDENTITY NUC  
Gapop 10.0, Gapext 1.0

Searched: 2449703 seqs, 1841816367 residues

Total number of hits satisfying chosen parameters: 4899406

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications NA:\*

- 1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*
- 2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/2/pubpna/US05\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCTOS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*
- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq:\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*
- 13: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*
- 16: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*
- 17: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*
- 18: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	34	100.0	405	US-10-125-187-1	Sequence 1, Appl1
2	34	100.0	1429	US-09-971-392-18	Sequence 1b, Appl
3	34	100.0	3422	US-09-764-891-6046	Sequence 6046, Appl
4	34	100.0	3422	US-09-764-891-6048	Sequence 6048, Appl
5	34	100.0	3422	US-10-091-438-271	Sequence 271, Appl
6	34	100.0	3422	US-10-091-438-273	Sequence 273, Appl
7	21.8	64.1	918	US-10-127-032-41	Sequence 41, Appl
8	21	61.8	1799	US-10-120-988-36	Sequence 36, Appl
9	20.4	60.0	247	US-09-796-692-3875	Sequence 3875, Appl
10	20.4	60.0	247	US-10-057-475B-3875	Sequence 3875, Appl
11	20.4	60.0	247	US-10-154-884B-3875	Sequence 3875, Appl
12	20.4	60.0	247	US-10-040-862-3875	Sequence 3875, Appl
13	20.4	60.0	1125	US-09-925-300-674	Sequence 674, Appl
14	20.4	60.0	2542	US-10-094-749-380	Sequence 380, Appl
15	20.4	60.0	6109	US-09-795-061-1	Sequence 1, Appl1

c 16	20.2	59.4	226	13	US-10-029-386-19884	Sequence 19884, A
c 17	20.2	59.4	500	13	US-10-029-386-6153	Sequence 6153, Appl
c 18	20.2	59.4	1812	10	US-09-750-240-3	Sequence 3, Appl
19	20.2	59.4	3192	12	US-10-128-692A-75	Sequence 75, Appl
20	20.2	59.4	3192	13	US-10-140-827-75	Sequence 75, Appl
21	20.2	59.4	3192	13	US-10-137-870-75	Sequence 75, Appl
22	20.2	59.4	3192	13	US-10-140-018-75	Sequence 75, Appl
23	20.2	59.4	3192	13	US-10-140-021-75	Sequence 75, Appl
24	20.2	59.4	3192	13	US-10-140-021-75	Sequence 75, Appl
25	20.2	59.4	3192	13	US-10-140-471-75	Sequence 75, Appl
26	20.2	59.4	3192	13	US-10-140-807-75	Sequence 75, Appl
27	20.2	59.4	3192	13	US-10-140-922-75	Sequence 75, Appl
28	20.2	59.4	3192	13	US-10-140-924-75	Sequence 75, Appl
29	20.2	59.4	3192	13	US-10-140-926-75	Sequence 75, Appl
30	20.2	59.4	3192	13	US-10-141-698-75	Sequence 75, Appl
31	20.2	59.4	3192	13	US-10-141-702-75	Sequence 75, Appl
32	20.2	59.4	3192	13	US-10-141-704-75	Sequence 75, Appl
33	20.2	59.4	3192	13	US-10-142-421-75	Sequence 75, Appl
34	20.2	59.4	3192	13	US-10-142-432-75	Sequence 75, Appl
35	20.2	59.4	3192	13	US-10-142-467-75	Sequence 75, Appl
36	20.2	59.4	3192	13	US-10-143-033-75	Sequence 75, Appl
37	20.2	59.4	3192	13	US-10-144-894-75	Sequence 75, Appl
38	20.2	59.4	3192	13	US-10-145-628-75	Sequence 75, Appl
39	20.2	59.4	3192	13	US-10-145-631-75	Sequence 75, Appl
40	20.2	59.4	3192	13	US-10-145-633-75	Sequence 75, Appl
41	20.2	59.4	3192	13	US-10-145-746-75	Sequence 75, Appl
42	20.2	59.4	3192	13	US-10-145-748-75	Sequence 75, Appl
43	20.2	59.4	3192	13	US-10-145-823-75	Sequence 75, Appl
44	20.2	59.4	3192	13	US-10-145-826-75	Sequence 75, Appl
45	20.2	59.4	3192	13	US-10-145-870-75	Sequence 75, Appl

## ALIGNMENTS

RESULT 1  
US-10-125-187-1  
Sequence 1, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNE-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS  
TITLE OF INVENTION: METHODS OF USING SAME  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIOR APPLICATION NUMBER: PCT/AU00/01248  
PRIOR FILING DATE: 2000-10-18  
PRIOR APPLICATION NUMBER: AU PQ 9162  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: AU PQ 3485  
PRIOR FILING DATE: 1999-10-18  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 405  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: alpha C fragment of human inhibin  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(405)  
OTHER INFORMATION:  
US-10-125-187-1  
Query Match 100.0%; Score 34; DB 13; Length 405;  
Best Local Similarity 100.0%; Pred. No. 0.0003;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGCCTCCGAGGAACCGCGTCCCAATGCCAAT 34

Db 55 AGGCTCCGAGGAAACCGGCTGCCCATGCCAACT 88

## RESULT 2

US-09-971-392-18  
; Sequence 18, Application US/09971392  
; Publication No. US20030134283A1  
; GENERAL INFORMATION:  
; APPLICANT: Peterson, David P.  
; APPLICANT: Pearson, Cecelia I.  
; APPLICANT: Cocks, Benjamin G.  
; TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION  
; FILE REFERENCE: PA-0029 US  
; CURRENT APPLICATION NUMBER: US/09/971,392  
; CURRENT FILING DATE: 2001-10-03  
; PRIOR APPLICATION NUMBER: 60/237,652  
; PRIOR FILING DATE: 2000-10-03  
; NUMBER OF SEQ ID NOS: 260  
; SOFTWARE: PERL Program  
; SEQ ID NO 18  
; LENGTH: 1429  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Template ID: 336965.2  
US-09-971-392-18

Query Match 100.0%; Score 34; DB 13; Length 1429;  
Best Local Similarity 100.0%; Pred. No. 0.00026;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGGAAACCGGCTGCCCATGCCAACT 34  
Db 895 AGGCTCCGAGGAAACCGGCTGCCCATGCCAACT 928

## RESULT 3

US-09-764-891-6046/C  
; Sequence 6046, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6046  
; LENGTH: 3422  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-891-6046

Query Match 100.0%; Score 34; DB 11; Length 3422;  
Best Local Similarity 100.0%; Pred. No. 0.00024;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGGAAACCGGCTGCCCATGCCAACT 34  
Db 538 AGGCTCCGAGGAAACCGGCTGCCCATGCCAACT 505

## RESULT 4

US-09-764-891-6048/C  
; Sequence 6048, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

FILE REFERENCE: PC006  
CURRENT APPLICATION NUMBER: US/09/764,891  
CURRENT FILING DATE: 2001-01-17  
Prior application data removed - consult PALM or file wrapper  
NUMBER OF SEQ ID NOS: 10231  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 6048  
LENGTH: 3422  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-09-764-891-6048

Query Match 100.0%; Score 34; DB 11; Length 3422;  
Best Local Similarity 100.0%; Pred. No. 0.00024;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGGAAACCGGCTGCCCATGCCAACT 34  
Db 538 AGGCTCCGAGGAAACCGGCTGCCCATGCCAACT 505

## RESULT 5

US-10-091-438-271/C  
; Sequence 271, Application US/10091438  
; Publication No. US20030077606A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PT217C1  
; CURRENT APPLICATION NUMBER: US/10/091,438  
; CURRENT FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: 09/764,879  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: 60/179,065  
; PRIOR FILING DATE: 2000-01-31  
; PRIOR APPLICATION NUMBER: 60/180,628  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: 60/214,886  
; PRIOR FILING DATE: 2000-06-28  
; PRIOR APPLICATION NUMBER: 60/217,487  
; PRIOR FILING DATE: 2000-07-11  
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; PRIOR FILING DATE: 2000-08-30

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PRIOR FILING DATE: 2000-11-08  
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PRIOR FILING DATE: 2000-09-08

Query Match 100.0%; Score 34; DB 15; Length 3422;  
Best Local Similarity 100.0%; Pred. No. 0.00024;  
Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 AGGCTCGGAGAACGGCTGCGCCATGCCACT 34  
DB 538 AGGCTCGGAGAACGGCTGCGCCATGCCACT 505

RESULT 6  
US-10-091-438-273

Sequence 273, Application US/10091438  
Publication No. US20030077606a1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: PTZ17C1  
CURRENT APPLICATION NUMBER: US/10/091,438  
CURRENT FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 09/764,879  
PRIOR FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 60/1179,065  
PRIOR FILING DATE: 2000-01-31  
PRIOR APPLICATION NUMBER: 60/180,628  
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PRIOR FILING DATE: 2000-07-26  
PRIOR APPLICATION NUMBER: 60/241,809  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/249,299  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/236,327  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/241,785  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/244,617  
PRIOR FILING DATE: 2000-11-01  
PRIOR APPLICATION NUMBER: 60/225,268  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/236,368  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/251,856  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/251,868  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/229,344  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/234,997  
PRIOR FILING DATE: 2000-09-25  
PRIOR APPLICATION NUMBER: 60/229,343  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,345  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,287  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,513  
PRIOR FILING DATE: 2000-09-05  
PRIOR APPLICATION NUMBER: 60/231,413  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/229,509  
PRIOR FILING DATE: 2000-09-05  
PRIOR APPLICATION NUMBER: 60/236,367  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/237,039  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,038  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/236,370  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/236,802  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,037  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,040  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/240,960  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/239,935  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: 60/239,937  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: 60/241,787  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/246,474  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/246,532  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/249,216  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,210  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/226,681  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 60/225,759  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/225,213  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/227,182  
PRIOR FILING DATE: 2000-08-22

PRIOR APPLICATION NUMBER: 60/225,214  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/235,836  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: 60/230,438  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/215,135  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: 60/225,266  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/249,218  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,208  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,213  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,212  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,207  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,245  
PRIOR FILING DATE: 2000-11-17  
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PRIOR FILING DATE: 2000-11-17  
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PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,211  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,215  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,264  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,214  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,297  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/232,400  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/231,242  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/232,081  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/232,080  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/231,414  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/231,244  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/233,064  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/233,063  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,397  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,399  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,401  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/241,808  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,826  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,786  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,221  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/246,475  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/231,243  
PRIOR FILING DATE: 2000-09-08

Query Match 100.0%; Score 34; DB 15; Length 3422;  
Best Local Similarity 100.0%; Pred. No. 0.00024;

Matches 34; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
Qy 1 AGGCTCGAGAGAACGGCTGCCATGCCACT 34  
Db 2885 AGGCTCGAGAGAACGGCTGCCATGCCACT 2918

RESULT 7  
US-10-127-032-41/c  
Sequence 41, Application US/10127032  
Publication No. US20030113742A1  
GENERAL INFORMATION:  
APPLICANT: Whiteley, Marvin  
APPLICANT: Bangera, M. Gita  
APPLICANT: Lory, Stephen  
APPLICANT: Greuberg, Everett Peter  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE MODULATION OF  
FILE REFERENCE: U12-070CP  
CURRENT APPLICATION NUMBER: US/10/127,032  
CURRENT FILING DATE: 2002-04-19  
PRIOR APPLICATION NUMBER: US 60/285,190  
PRIOR FILING DATE: 2001-04-20  
PRIOR APPLICATION NUMBER: US 60/344,142  
PRIOR FILING DATE: 2001-10-24  
NUMBER OF SEQ ID NOS: 170  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 41  
LENGTH: 918  
TYPE: DNA  
ORGANISM: Pseudomonas aeruginosa  
US-10-127-032-41

Query Match 64.1%; Score 21.8; DB 15; Length 918;  
Best Local Similarity 78.8%; Pred. No. 19;  
Matches 26; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 2 GACCTCCGAGAGAACGGCTGCCATGCCACT 34  
Db 564 GACCTCCGAGAGAACGGCTGCCATGCCACT 532

RESULT 8  
US-10-120-988-36  
Sequence 36, Application US/10120988  
Publication No. US20030219745A1  
GENERAL INFORMATION:  
APPLICANT: Tang, Y. Tom  
APPLICANT: Goodrich, Ryle  
APPLICANT: Liu, Chenghua  
APPLICANT: Ren, Feiyun  
APPLICANT: Wang, Dunrui  
APPLICANT: Drmanac, Radoje T.  
TITLE OF INVENTION: No. US20030219745A1 Nucleic Acids and  
FILE REFERENCE: 802CON  
CURRENT APPLICATION NUMBER: US/10/120,988  
CURRENT FILING DATE: 2002-04-11  
PRIOR APPLICATION NUMBER: 09/774,528  
PRIOR FILING DATE: 2001-01-30  
NUMBER OF SEQ ID NOS: 441  
SOFTWARE: pc\_fl\_genes Version 2.0  
SEQ ID NO 35  
LENGTH: 1799  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURES:  
NAME/KEY: CDS  
LOCATION: (124)..(831)  
US-10-120-988-36

Query Match 61.8%; Score 21; DB 13; Length 1799;  
Best Local Similarity 82.8%; Pred. No. 36;

Matches 24; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Oy 2 GGGCTCCGAGAGACCGGCTGCCATGCC 30  
Db 181 GGGCGCCCGAGAGACGACCCCGCATGCC 209

## RESULT 9

US-09-796-692-3875/c  
; Sequence 3875, Application US/09796692  
; Publication No. US20020198362A1  
; GENERAL INFORMATION:  
; APPLICANT: Gaiger, Alexander  
; APPLICANT: Algate, Paul A.  
; APPLICANT: Mannion, Jane  
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DETECTION, DIAGNOSIS AND THERAPY  
; TITLE OF INVENTION: HEMATOLOGICAL MALIGNANCIES  
; FILE REFERENCE: 2077.001200  
; CURRENT FILING DATE: 2001-03-01  
; PRIOR APPLICATION NUMBER: 60/186,126  
; PRIOR FILING DATE: 2000-03-01  
; PRIOR APPLICATION NUMBER: 60/190,479  
; PRIOR FILING DATE: 2000-03-17  
; PRIOR APPLICATION NUMBER: 60/200,545  
; PRIOR FILING DATE: 2000-04-27  
; PRIOR APPLICATION NUMBER: 60/200,303  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: 60/200,779  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: 60/200,999  
; PRIOR FILING DATE: 2000-05-01  
; PRIOR APPLICATION NUMBER: 60/202,084  
; PRIOR FILING DATE: 2000-05-04  
; PRIOR APPLICATION NUMBER: 60/206,201  
; PRIOR FILING DATE: 2000-05-22  
; PRIOR APPLICATION NUMBER: 60/218,950  
; PRIOR FILING DATE: 2000-07-14  
; PRIOR APPLICATION NUMBER: 60/222,903  
; PRIOR FILING DATE: 2000-08-03  
; PRIOR APPLICATION NUMBER: 60/223,416  
; PRIOR FILING DATE: 2000-08-04  
; PRIOR APPLICATION NUMBER: 60/223,378  
; PRIOR FILING DATE: 2000-08-07  
; NUMBER OF SEQ ID NOS: 9597  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 3875  
; LENGTH: 247  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-796-692-3875

Query Match 60.0%; Score 20.4; DB 10; Length 247;  
Best Local Similarity 80.0%; Pred. No. 78;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Oy 1 AGGCTCCGAGAGACCGGCTGCCATGCC 30  
Db 156 AGGCCCCGCTGGAACAGGCTGCCATGCC 127

## RESULT 10

US-10-057-475B-3875/c  
; Sequence 3875, Application US/10057475B  
; Publication No. US20040002068A1  
; GENERAL INFORMATION:  
; APPLICANT: Gaiger, Alexander  
; APPLICANT: Algate, Paul A.  
; APPLICANT: Mannion, Jane  
; APPLICANT: Clapper, Jonathan David  
; APPLICANT: Wang, Aijun  
; APPLICANT: Ordones, Nadia  
; APPLICANT: Carter, Lauren

; APPLICANT: McNeill, Patricia Dianne  
; APPLICANT: Corixa Corporation  
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy  
; TITLE OF INVENTION: Hematological Malignancies  
; FILE REFERENCE: 014058-01440205  
; CURRENT FILING DATE: 2002-01-22  
; PRIOR APPLICATION NUMBER: US/10/057,475B  
; PRIOR FILING DATE: 2000-03-01  
; PRIOR APPLICATION NUMBER: US 60/186,126  
; PRIOR FILING DATE: 2000-03-17  
; PRIOR APPLICATION NUMBER: US 60/190,479  
; PRIOR FILING DATE: 2000-04-27  
; PRIOR APPLICATION NUMBER: US 60/200,545  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: US 60/200,779  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: US 60/200,999  
; PRIOR FILING DATE: 2000-05-01  
; PRIOR APPLICATION NUMBER: US 60/202,084  
; PRIOR FILING DATE: 2000-05-04  
; PRIOR APPLICATION NUMBER: US 60/206,201  
; PRIOR FILING DATE: 2000-05-22  
; PRIOR APPLICATION NUMBER: US 60/218,950  
; PRIOR FILING DATE: 2000-07-14  
; PRIOR APPLICATION NUMBER: US 60/222,903  
; PRIOR FILING DATE: 2000-08-03

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 10979  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 3875  
; LENGTH: 247  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-057-475B-3875

Query Match 60.0%; Score 20.4; DB 12; Length 247;  
Best Local Similarity 80.0%; Pred. No. 78;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Oy 1 AGGCTCCGAGAGACCGGCTGCCATGCC 30  
Db 156 AGGCCCCGCTGGAACAGGCTGCCATGCC 127

## RESULT 11

US-10-154-884B-3875/c  
; Sequence 3875, Application US/10154884B  
; Publication No. US20040005561A1  
; GENERAL INFORMATION:  
; APPLICANT: Gaiger, Alexander  
; APPLICANT: Algate, Paul A.  
; APPLICANT: Mannion, Jane  
; APPLICANT: Retter, Marc W.  
; APPLICANT: Corixa Corporation  
; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy  
; TITLE OF INVENTION: Hematological Malignancies  
; FILE REFERENCE: 014058-01352105  
; CURRENT FILING DATE: 2002-05-23  
; PRIOR APPLICATION NUMBER: US/10/154,884B  
; PRIOR FILING DATE: 2000-03-01  
; PRIOR APPLICATION NUMBER: US 60/186,126  
; PRIOR FILING DATE: 2000-03-17  
; PRIOR APPLICATION NUMBER: US 60/190,479  
; PRIOR FILING DATE: 2000-04-27  
; PRIOR APPLICATION NUMBER: US 60/200,545  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: US 60/200,303  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: US 60/200,779  
; PRIOR FILING DATE: 2000-04-28  
; PRIOR APPLICATION NUMBER: US 60/200,999  
; PRIOR FILING DATE: 2000-05-01  
; PRIOR APPLICATION NUMBER: US 60/202,084



;; PRIOR FILING DATE: 2000-05-04  
;; PRIOR APPLICATION NUMBER: US 60/206,201  
;; PRIOR FILING DATE: 2000-05-22  
;; PRIOR APPLICATION NUMBER: US 60/218,950  
;; PRIOR FILING DATE: 2000-07-14  
;; PRIOR APPLICATION NUMBER: US 60/222,903  
;; PRIOR FILING DATE: 2000-08-03  
;; Remaining Prior Application data removed - See File Wrapper or PALM.  
;; NUMBER OF SEQ ID NOS: 11290  
;; SOFTWARE: FastSeq for Windows Version 3.0  
;; SEQ ID NO 3875  
;; LENGTH: 247  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-10-154-884B-3875

Query Match 60.0%; Score 20.4; DB 12; Length 247;  
Best Local Similarity 80.0%; Pred. No. 78;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACCGCTGCCATGCC 30  
DB 156 AGGCCCCGCTGTAACAGGCTGCATGCC 127

RESULT 12  
US-10-040-862-3875/c  
;; Sequence 3875, Application US/10040862  
;; Publication No. US20030078396A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Gaiger, Alexander  
;; APPLICANT: Algate, Paul A.  
;; APPLICANT: Mannion, Jane  
;; APPLICANT: Ketter, Marc  
;; APPLICANT: Corixa Corporation  
;; TITLE OF INVENTION: Compositions and Methods for the Detection, Diagnosis and Therapy  
;; OF TYPE OF INVENTION: Hematological Malignancies  
;; FILE REFERENCE: 014058-013520US  
;; CURRENT APPLICATION NUMBER: US/10/040,862  
;; CURRENT FILING DATE: 2001-11-06  
;; PRIOR APPLICATION NUMBER: US 60/186,126  
;; PRIOR FILING DATE: 2000-03-01  
;; PRIOR APPLICATION NUMBER: US 60/190,479  
;; PRIOR FILING DATE: 2000-03-17  
;; PRIOR APPLICATION NUMBER: US 60/200,545  
;; PRIOR FILING DATE: 2000-04-27  
;; PRIOR APPLICATION NUMBER: US 60/200,303  
;; PRIOR FILING DATE: 2000-04-28  
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;; PRIOR FILING DATE: 2000-05-22  
;; PRIOR APPLICATION NUMBER: US 60/218,950  
;; PRIOR FILING DATE: 2000-07-14  
;; PRIOR APPLICATION NUMBER: US 60/222,903  
;; PRIOR FILING DATE: 2000-08-03  
;; PRIOR APPLICATION NUMBER: US 60/223,416  
;; PRIOR FILING DATE: 2000-08-04  
;; PRIOR APPLICATION NUMBER: US 60/223,378  
;; PRIOR FILING DATE: 2000-08-07  
;; PRIOR APPLICATION NUMBER: US 09/796,692  
;; PRIOR FILING DATE: 2001-03-01  
;; NUMBER OF SEQ ID NOS: 10467  
;; SOFTWARE: FastSeq for Windows Version 3.0  
;; SEQ ID NO 3875  
;; LENGTH: 247  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
US-10-040-862-3875

Query Match 60.0%; Score 20.4; DB 15; Length 247;  
Best Local Similarity 80.0%; Pred. No. 78;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACCGCTGCCATGCC 30  
DB 156 AGGCCCCGCTGTAACAGGCTGCATGCC 127

RESULT 13  
US-09-925-300-674  
;; Sequence 674, Application US/09925300  
;; Patent No. US20020151681A1  
;; GENERAL INFORMATION:  
;; APPLICANT: Craig Rosen,  
;; APPLICANT: Steve Ruben  
;; TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies  
;; FILE REFERENCE: PA101  
;; CURRENT APPLICATION NUMBER: US/09/925,300  
;; CURRENT FILING DATE: 2001-08-10  
;; PRIOR APPLICATION NUMBER: PCT/US00/05988  
;; PRIOR FILING DATE: 2000-03-08  
;; PRIOR APPLICATION NUMBER: 60/124,270  
;; PRIOR FILING DATE: 1999-03-12  
;; NUMBER OF SEQ ID NOS: 1890  
;; SOFTWARE: PatentIn Ver. 2.0  
;; SEQ ID NO 674  
;; LENGTH: 1125  
;; TYPE: DNA  
;; ORGANISM: Homo sapiens  
;; FEATURE:  
;; NAME/KEY: misc feature  
;; LOCATION: (1098)  
;; OTHER INFORMATION: n equals a,t,g, or c  
;; NAME/KEY: misc feature  
;; LOCATION: (1103)  
;; OTHER INFORMATION: n equals a,t,g, or c  
;; NAME/KEY: misc feature  
;; LOCATION: (1120)  
;; OTHER INFORMATION: n equals a,t,g, or c  
US-09-925-300-674

Query Match 60.0%; Score 20.4; DB 10; Length 1125;  
Best Local Similarity 80.0%; Pred. No. 66;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACCGCTGCCATGCC 30  
DB 530 AGGCCCCGCTGTAACAGGCTGCATGCC 559

RESULT 14  
US-10-094-749-380/c  
;; Sequence 380, Application US/10094749  
;; Publication No. US20030219741A1  
;; GENERAL INFORMATION:  
;; APPLICANT: ISOGAI, TAKAO  
;; APPLICANT: SUGIYAMA, TOMOYASU  
;; APPLICANT: OTSUKI, TETSUJI  
;; APPLICANT: WAKAMATSU, AI  
;; APPLICANT: ISHII, SHIZUKO  
;; APPLICANT: SATO, HIROYUKI  
;; APPLICANT: YAMAMOTO, JUN-ICHI  
;; APPLICANT: ISONO, YUUKO  
;; APPLICANT: HIO, YURI  
;; APPLICANT: OTSUKA, KAORU  
;; APPLICANT: NAGAI, KEIICHI  
;; APPLICANT: IRIE, RYOTARO  
;; APPLICANT: TAMECHIKA, ICHIRO  
;; APPLICANT: SEKI, NAOHICO  
;; APPLICANT: YOSHIKAWA, TSUTOMU  
;; APPLICANT: OTSUKA, MOTOMYUKI

```

; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; CURRENT FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 380
; LENGTH: 2542
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-094-749-380.

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Query Match          60.0%; Score 20.4; DB 13; Length 2542;
Best Local Similarity 80.0%; Pred. No. 60;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

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QY      1 AGGCTCCGAGGAACCGGCTGCCATGCC 30
Db      1801 AGGCCCCCGCTGGAACAGGCTGCCATGCC 1772

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RESULT 15
US-09-795-061-1/c
; Sequence 1, Application US/09795061
; Publication No. US20030166842A1
; GENERAL INFORMATION:
; APPLICANT: Greenspan, Daniel S
; TITLE OF INVENTION: Pro-Alpha 3 (V) Collagen Genes
; FILE REFERENCE: 960296.96781
; CURRENT APPLICATION NUMBER: US/09/795,061
; CURRENT FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 6109
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (82)..(5298)
US-09-795-061-1

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Query Match          60.0%; Score 20.4; DB 13; Length 6109;
Best Local Similarity 80.0%; Pred. No. 54;
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

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QY      4 CCTCCGAGGAACCGGCTGCCATGCCAAC 33
Db      3550 CCCCCGAGGACCGGCGAGCCCTGCAAGAC 3521

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Search completed: February 3, 2004, 23:51:20
Job time : 123.767 secs

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GenCore version 5.1.6  
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OW nucleic - nucleic search, using SW model

Run on: February 3, 2004, 15:48:45 ; Search time 27.4109 Seconds  
(without alignments)  
547.485 Million cell updates/sec

Title: US-09-913-524-33

Perfect score: 34

Sequence: 1 aggcctccggagggagaccgctgcctccatcccaact 34

Scoring table: IDENTITY\_NUC

Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents, NA:\*

1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/PCTUS\_COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	33	97.1	1237	1	US-08-197-792-40 Sequence 40, Appl
2	33	97.1	1237	1	US-08-459-850-40 Sequence 40, Appl
3	33	97.1	1237	1	US-08-459-214-40 Sequence 40, Appl
4	23.4	68.8	1343	1	US-08-197-792-30 Sequence 30, Appl
5	23.4	68.8	1343	1	US-08-459-850-30 Sequence 30, Appl
6	23.4	68.8	1343	1	US-08-459-214-30 Sequence 30, Appl
7	20.8	61.2	915	4	US-09-252-991A-14968 Sequence 14968, A
8	20.8	61.2	1011	4	US-09-252-991A-14782 Sequence 14782, A
9	20.8	61.2	40123	4	US-08-311-731A-137 Sequence 137, App
10	19.6	57.6	1500	1	US-08-704-398-1 Sequence 1, Appl
11	19.6	57.6	1500	1	PCT-US95-05966-1 Sequence 1, Appl
12	19.2	56.5	1812	4	US-09-008-097-3 Sequence 3, Appl
13	19.2	56.5	3549	4	US-09-008-097-5 Sequence 5, Appl
14	19.2	56.5	4046	1	US-07-793-961A-1 Sequence 1, Appl
15	19.2	56.5	4046	1	US-08-240-357-1 Sequence 1, Appl
16	19.2	56.5	4131	3	US-08-726-214-11 Sequence 11, Appl
17	19.2	56.5	4942	4	US-09-474-076-1 Sequence 1, Appl
18	19.2	56.5	45546	4	US-09-146-053-6 Sequence 6, Appl
19	19	55.9	176	4	US-09-397-787-331 Sequence 331, App
20	19	55.9	613	3	US-08-658-639-11 Sequence 11, Appl
21	19	55.9	613	3	US-08-944-604-11 Sequence 11, Appl
22	19	55.9	903	3	US-08-944-604-15 Sequence 15, Appl
23	18.8	55.3	12141	2	US-09-488-671-10 Sequence 10, Appl
24	18.8	55.3	43280	2	US-08-804-227C-1 Sequence 1, Appl
25	18.6	54.7	2661	4	US-09-221-017B-1035 Sequence 1035, Ap
26	18.6	54.7	4079	4	US-09-016-434-1412 Sequence 1412, Ap
27	18.4	54.1	47981	4	US-09-679-279-1 Sequence 1, Appl

C 28	18.4	54.1	4403765	3	US-09-103-840A-2	Sequence 2, Appl
C 29	18.4	54.1	4411529	2	US-09-103-840A-1	Sequence 1, Appl
C 30	18.2	53.5	1074	2	US-08-627-151A-15	Sequence 15, Appl
C 31	18.2	53.5	1179	4	US-09-252-991A-5408	Sequence 5408, Ap
C 32	18.2	53.5	1196	3	US-08-691-563C-56	Sequence 56, Appl
C 33	18.2	53.5	1196	4	US-09-374-766-56	Sequence 56, Appl
C 34	18.2	53.5	1196	4	US-08-979-847B-52	Sequence 52, Appl
C 35	18.2	53.5	1386	4	US-09-252-991A-9780	Sequence 9780, Ap
C 36	18.2	53.5	1404	6	5171840-8	Patent No. 5171840
C 37	18.2	53.5	1404	6	5480796-8	Patent No. 5480796
C 38	18.2	53.5	1486	3	US-08-795-473B-3	Sequence 3, Appl
C 39	18.2	53.5	1486	4	US-09-439-856-3	Sequence 3, Appl
C 40	18.2	53.5	1497	4	US-09-252-991A-5402	Sequence 5402, Ap
C 41	18.2	53.5	2061	6	5171840-1	Patent No. 5171840
C 42	18.2	53.5	2061	6	5480796-1	Patent No. 5480796
C 43	18.2	53.5	2364	4	US-08-979-847B-88	Sequence 88, Appl
C 44	18.2	53.5	2391	3	US-08-691-563C-57	Sequence 57, Appl
C 45	18.2	53.5	2391	4	US-09-374-766-57	Sequence 57, Appl

#### ALIGNMENTS

RESULT 1  
US-08-197-792-40  
; Sequence 40, Application US/08197792  
; Patent No. 5525488  
; GENERAL INFORMATION:  
; APPLICANT: Anthony J. Mason  
; APPLICANT: Peter H. Seeburg  
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSER: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 Inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: patin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/197,792  
; FILING DATE: 16-FEB-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/958414  
; FILING DATE: 08-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/744207  
; FILING DATE: 12-AUG-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/215466  
; FILING DATE: 05-JUL-1988  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/906729  
; FILING DATE: 31-DEC-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/827710  
; FILING DATE: 07-FEB-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/783910  
; FILING DATE: 03-OCT-1985  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hasak, Janet E.  
; REGISTRATION NUMBER: 28,616  
; REFERENCE/DOCKET NUMBER: 297P2D4  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-1896  
; TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1237 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-40

Query Match 97.1%; Score 33; DB 1; Length 1237;  
Best Local Similarity 97.1%; Pred. No. 0.00024;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCCTCGAGGAAACCGNCTGCCCATGCCCACT 34  
DB 708 AGGCCTCGAGGAAACCGGCTGCCCATGCCCACT 741

## RESULT 2

US-08-459-850-40  
Sequence 40, Application US/08459850

Patent No. 5665568  
GENERAL INFORMATION:

APPLICANT: Anthony J. Mason

APPLICANT: Peter H. Seeburg

TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or

TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide

TITLE OF INVENTION: Using such Nucleic Acid

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 KB floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,850

FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792

FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 297P2DS

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1237 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-40

Query Match 97.1%; Score 33; DB 1; Length 1237;  
Best Local Similarity 97.1%; Pred. No. 0.00024;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGGCCTCGAGGAAACCGNCTGCCCATGCCCACT 34  
DB 708 AGGCCTCGAGGAAACCGGCTGCCCATGCCCACT 741

## RESULT 3

US-08-459-214-40  
Sequence 40, Application US/08459214

Patent No. 5716810  
GENERAL INFORMATION:

APPLICANT: Anthony J. Mason

APPLICANT: Peter H. Seeburg

TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or

TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide

TITLE OF INVENTION: Using such Nucleic Acid

NUMBER OF SEQUENCES: 44

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 KB floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459,214

FILING DATE: 02-JUN-1995

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792

FILING DATE: 17-FEB-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414

FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207

FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466

FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729

FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710

FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910

FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.

REGISTRATION NUMBER: 28,616

REFERENCE/DOCKET NUMBER: 297P2DS

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 40:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1337 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-40

Query Match 97.1%; Score 33; DB 1; Length 1237;  
Best Local Similarity 97.1%; Pred. No. 0.00024;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Oy 1 AGGCTCCGAGAGAACGCTGCCATGCCACT 34  
Db 708 AGGCTCCGAGAGAACGCTGCCATGCCACT 741

RESULT 4  
US-08-197-792-30  
Sequence 30, Application US/08197792  
Patent No. 5525498  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1343 bases  
TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;  
Best Local Similarity 79.4%; Pred. No. 1.4;  
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Oy 1 AGGCTCCGAGAGAACGCTGCCATGCCACT 34  
Db 816 AGGCTCCGAGAGAACGCTGCCATGCCACT 849

RESULT 5  
US-08-459-850-30  
Sequence 30, Application US/08459850  
Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1343 bases  
TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;  
Best Local Similarity 79.4%; Pred. No. 1.4;  
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACGNCCTGCCATGCCCACT 34  
DB 816 AGGCCCCGAGAGAACCCCTGTGTGACGCCCACT 849

## RESULT 6

US-08-459-214-30  
Sequence 30 Application US/08459214  
Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 30:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1343 bases  
TYPE: nucleic acid

STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-30

Query Match 68.8%; Score 23.4; DB 1; Length 1343;  
Best Local Similarity 79.4%; Pred. No. 1.4;  
Matches 27; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 AGGCTCCGAGAACGNCCTGCCATGCCCACT 34  
DB 816 AGGCCCCGAGAGAACCCCTGTGTGACGCCCACT 849

## RESULT 7

US-09-252-991A-14968/C  
Sequence 14968 Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 107196.136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 31142  
SEQ ID NO 14968  
LENGTH: 915  
TYPE: DNA  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-14968

Query Match 61.2%; Score 20.8; DB 4; Length 915;  
Best Local Similarity 75.8%; Pred. No. 14;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCTCCGAGAACGNCCTGCCATGCCCACT 34  
DB 561 GGCTCCGAGAACGNCCTGCCATGCCCACT 529

## RESULT 8

US-09-252-991A-14782  
Sequence 14782 Application US/09252991A  
Patent No. 6551795  
GENERAL INFORMATION:  
APPLICANT: Marc J. Rubenfield et al.  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS  
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS  
FILE REFERENCE: 107196.136  
CURRENT APPLICATION NUMBER: US/09/252,991A  
CURRENT FILING DATE: 1999-02-18  
PRIOR APPLICATION NUMBER: US 60/074,788  
PRIOR FILING DATE: 1998-02-18  
PRIOR APPLICATION NUMBER: US 60/094,190  
PRIOR FILING DATE: 1998-07-27  
NUMBER OF SEQ ID NOS: 31142  
SEQ ID NO 14782  
LENGTH: 1011  
TYPE: DNA  
ORGANISM: Pseudomonas aeruginosa  
US-09-252-991A-14782

Query Match 61.2%; Score 20.8; DB 4; Length 1011;  
Best Local Similarity 75.8%; Pred. No. 14;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 2 GGCTCCGAGAACGNCCTGCCATGCCCACT 34  
DB 376 GGCTCCGAGAACGNCCTGCCATGCCCACT 408

RESULT 9  
US-08-311-731A-137/C  
Sequence 137, Application US/08311731A  
Patent No. 6583266  
GENERAL INFORMATION:  
APPLICANT: SMITH, DOUGLAS  
APPLICANT: MAO, JEN-I  
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES  
TITLE OF INVENTION: RELATING TO MYCOBACTERIUM TUBERCULOSIS AND LAPRAE FOR  
TITLE OF INVENTION: DIAGNOSTICS AND THERAPEUTICS  
NUMBER OF SEQUENCES: 411  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.  
STREET: 600 ATLANTIC AVENUE  
CITY: BOSTON  
STATE: MASSACHUSETTS  
COUNTRY: USA  
ZIP: 02210  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/311,731A  
FILING DATE:  
CLASSIFICATION: 530  
ATTORNEY/AGENT INFORMATION:  
NAME: GATES, EDWARD R.  
REGISTRATION NUMBER: 31,616  
REFERENCE/DOCKET NUMBER: C0044/7125  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617/720-3500  
TELEFAX: 617/720-2441  
INFORMATION FOR SEQ ID NO: 137:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 40123 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: DNA (genomic)  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
ORIGINAL SOURCE:  
ORGANISM: Mycobacterium leprae  
US-08-311-731A-137  
Query Match 61.2%; Score 20.8; DB 4; Length 40123;  
Best Local Similarity 75.8%; Pred. No. 19;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
QY 2 GGCCTCCGAGAGACCGNCTGCCATGCGCACT 34  
DB 16258 GGCCTCTCCTACCTACCGACTGCCATGCGCACT 16226  
RESULT 10  
US-08-704-398-1  
Sequence 1, Application US/08704398  
Patent No. 5679525  
GENERAL INFORMATION:  
APPLICANT: Peterson, Michael G  
APPLICANT: Henkel, Thomas  
TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR  
TITLE OF INVENTION: BINDING ASSAY  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT  
STREET: 4 Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California

COUNTRY: USA  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/704,398  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/08/246,977  
FILING DATE: 20-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Osman, Richard A  
REGISTRATION NUMBER: 36,627  
REFERENCE/DOCKET NUMBER: A-59233/RAO  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1500 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..1500  
US-08-704-398-1  
Query Match 57.6%; Score 19.6; DB 1; Length 1500;  
Best Local Similarity 81.5%; Pred. No. 43;  
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;  
QY 3 GCGTCCGAGAGACCGNCTGCCATGCG 29  
DB 21 GCGCGGAGAGAGCGCGCTGCGCATGC 47  
RESULT 11  
PCT-US95-05966-1  
Sequence 1, Application PC/TUS9505966  
GENERAL INFORMATION:  
APPLICANT: TULARIK, INC.  
TITLE OF INVENTION: EPSTEIN-BARR VIRUS TRANSCRIPTION FACTOR  
TITLE OF INVENTION: BINDING ASSAY  
NUMBER OF SEQUENCES: 11  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: FLEHR, HOBBACH, TEST, ALBRITTON & HERBERT  
STREET: 4 Embarcadero Center, Suite 3400  
CITY: San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94111-4187  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: PCT/US95/05966  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/246,977  
FILING DATE: 20-MAY-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Osman, Richard A  
REGISTRATION NUMBER: 36,627

REFERENCE/DOCKET NUMBER: FP-59233-PC/RAO  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (415) 781-1989  
TELEFAX: (415) 398-3249  
TELEX: 910 277299  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1500 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..1500  
PCT-US95-05966-1

Query Match 57.6%; Score 19.6; DB 5; Length 1500;  
Best Local Similarity 81.5%; Pred. No. 43;  
Matches 22; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 3 GGCTCGGAGGAGACCGCTGCCCATGC 29  
Db 21 GCCCGGAGGAGCGCCCTGCGCATGC 47

RESULT 12  
US-09-008-097-3  
Sequence 3, Application US/09008097  
Patent No. 6306830  
GENERAL INFORMATION:  
APPLICANT: Hammond, H. Kirk  
APPLICANT: Insel, Paul A.  
APPLICANT: Ping, Peipei  
APPLICANT: Post, Steven R.  
APPLICANT: Gao, Meihua  
TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE  
TITLE OF INVENTION: HEART FAILURE  
NUMBER OF SEQUENCES: 9  
CURRENT APPLICATION DATA:  
CORRESPONDENCE ADDRESS:  
ADDRESSER: MORRISON & FOERSTER  
STREET: 755 PAGE MILL ROAD  
CITY: PALO ALTO  
STATE: CA  
COUNTRY: USA  
ZIP: 94304-1018  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
APPLICATION NUMBER: US/09/008.097  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Dylan, Tyler M  
REGISTRATION NUMBER: 37,612  
REFERENCE/DOCKET NUMBER: 22000-20567.21  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-813-5600  
TELEFAX: 650-494-0792  
TELEX: 706141  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1812 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
FEATURE:

NAME/KEY: Coding Sequence  
LOCATION: 1...1812  
OTHER INFORMATION:  
US-09-008-097-3

Query Match 56.5%; Score 19.2; DB 4; Length 1812;  
Best Local Similarity 72.7%; Pred. No. 62;  
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 2 GGCTCGGAGGAGACCGCTGCCCATGCCACT 34  
Db 668 GGCTCGGAGGAGCGCCGCGACCATGCCACT 700

RESULT 13  
US-09-008-097-5  
Sequence 5, Application US/09008097  
Patent No. 6306830  
GENERAL INFORMATION:  
APPLICANT: Hammond, H. Kirk  
APPLICANT: Insel, Paul A.  
APPLICANT: Ping, Peipei  
APPLICANT: Post, Steven R.  
APPLICANT: Gao, Meihua  
TITLE OF INVENTION: GENE THERAPY FOR CONGESTIVE  
TITLE OF INVENTION: HEART FAILURE  
NUMBER OF SEQUENCES: 9  
CURRENT APPLICATION DATA:  
CORRESPONDENCE ADDRESS:  
ADDRESSER: MORRISON & FOERSTER  
STREET: 755 PAGE MILL ROAD  
CITY: PALO ALTO  
STATE: CA  
COUNTRY: USA  
ZIP: 94304-1018  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ for Windows Version 2.0  
APPLICATION NUMBER: US/09/008.097  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Dylan, Tyler M  
REGISTRATION NUMBER: 37,612  
REFERENCE/DOCKET NUMBER: 22000-20567.21  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 650-813-5600  
TELEFAX: 650-494-0792  
TELEX: 706141  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3549 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
FEATURE:  
NAME/KEY: Coding Sequence  
LOCATION: 1...3501  
OTHER INFORMATION:  
US-09-008-097-5

Query Match 56.5%; Score 19.2; DB 4; Length 3549;  
Best Local Similarity 72.7%; Pred. No. 66;  
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

Qy 2 GGCTCGGAGGAGACCGCTGCCCATGCCACT 34  
Db 1301 GGCTCGGAGGAGCGCCGCGACCATGCCACT 1313



RESULT 14  
US-07-793-961A-1  
Sequence 1, Application US/07793961A  
Patent No. 5334521  
GENERAL INFORMATION:  
APPLICANT: Yoshihiro Ishikawa  
TITLE OF INVENTION: Cloning and Character-  
ization of a Cardiac Adenylyl Cyclase  
TITLE OF INVENTION: Cloning and Character-  
ization of a Cardiac Adenylyl Cyclase  
NUMBER OF SEQUENCES: 1  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Alan M. Gordon  
ADDRESS: American Cyanamid Company  
STREET: 1937 West Main Street,  
STREET: P.O. Box 60  
CITY: Stamford  
STATE: Connecticut  
COUNTRY: USA  
ZIP: 06904  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC AT  
OPERATING SYSTEM: MS-DOS  
SOFTWARE: ASCII from DM4  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07793,961A  
FILING DATE: 19911118  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
ATTORNEY/AGENT INFORMATION:  
NAME: Gordon, Alan M.  
REGISTRATION NUMBER: 30,637  
REFERENCE/DOCKET NUMBER: 31,705  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 203 321 2719  
TELEFAX: 203 321 2971  
TELEX:  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4046 base pairs listed  
TYPE: NUCLEIC ACID  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
US-07-793-961A-1

Query Match 56.5%; Score 19.2; DB 1; Length 4046;  
Best Local Similarity 72.7%; Pred. No. 66;  
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGAGACCGCTGCCATGCCACT 34  
DB 1428 GGCCTCCGAGAGACCGCTGCCATGCCACT 1460

RESULT 15  
US-08-240-357-1  
Sequence 1, Application US/08240357  
Patent No. 5578481  
GENERAL INFORMATION:  
APPLICANT: Ishikawa, Yoshihiro  
TITLE OF INVENTION: Cloning and Characterization of a  
CARDIAC ADENYLYL CYCLASE  
NUMBER OF SEQUENCES: 2  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: American Cyanamid Company  
STREET: One Cyanamid Plaza  
CITY: Wayne  
STATE: New Jersey  
COUNTRY: USA

ZIP: 07470-8426  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/240,357  
FILING DATE: 10-MAY-1994  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Gordon, Alan M.  
REGISTRATION NUMBER: 30,637  
REFERENCE/DOCKET NUMBER: 31,705-01  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 201-831-3244  
TELEFAX: 201-831-3305  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 4046 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 131..3625  
US-08-240-357-1

Query Match 56.5%; Score 19.2; DB 1; Length 4046;  
Best Local Similarity 72.7%; Pred. No. 66;  
Matches 24; Conservative 0; Mismatches 9; Indels 0; Gaps 0;

QY 2 GGCCTCCGAGAGACCGCTGCCATGCCACT 34  
DB 1428 GGCCTCCGAGAGACCGCTGCCATGCCACT 1460

Search completed: February 3, 2004, 21:41:45  
DDB time : 31.4109 secs

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OM nucleic - nucleic search, using sw model

Run on: February 3, 2004, 21:23:30 ; Search time 121.767 Seconds  
(without alignments)  
1028.547 Million cell updates/sec

Title: US-09-913-524-33

Perfect score: 34  
Sequence: 1 aggcctccggaggaacgncgtccatgcacact 34

Scoring table: IDENTITY\_NUC  
Gapop 10.0, Gapext 1.0

Searched: 2449703 seqs, 1841816367 residues

Total number of hits satisfying chosen parameters: 4899406

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications NA:\*

1: /cgn2\_6/ptodata/2/pubpna/US07\_PUBCOMB.seq:\*  
2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*  
3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*  
4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*  
5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:\*  
6: /cgn2\_6/ptodata/2/pubpna/PCTUS\_PUBCOMB.seq:\*  
7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*  
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12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*  
13: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*  
14: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*  
15: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*  
16: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*  
17: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*  
18: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	33	97.1	405	US-10-125-187-1	Sequence 1, Appl
2	33	97.1	1429	US-09-971-392-18	Sequence 18, Appl
3	33	97.1	3422	US-09-764-891-6046	Sequence 6046, Ap
4	33	97.1	3422	US-09-764-891-6048	Sequence 6048, Ap
5	33	97.1	3422	US-10-091-438-271	Sequence 271, App
6	33	97.1	3422	US-10-091-438-273	Sequence 273, App
7	20.8	61.2	226	US-10-029-386-19884	Sequence 19884, A
8	20.8	61.2	500	US-10-029-386-6153	Sequence 6153, A
9	20.8	61.2	918	US-10-127-032-41	Sequence 41, Appl
10	20.8	61.2	5145	US-10-426-776-51	Sequence 51, Appl
11	20	58.8	1799	US-10-120-988-36	Sequence 36, Appl
12	19.8	58.2	548	US-10-027-632-68903	Sequence 68903, A
13	19.8	58.2	548	US-10-027-632-294721	Sequence 294721, A
14	19.8	58.2	548	US-10-027-632-68903	Sequence 68903, A
15	19.8	58.2	548	US-10-027-632-294721	Sequence 294721, A

16	19.6	57.6	1580	US-10-153-668-315	Sequence 315, App
17	19.6	57.6	1758	US-10-153-668-479	Sequence 479, App
18	19.4	57.1	247	US-09-796-692-3875	Sequence 3875, Ap
19	19.4	57.1	247	US-10-057-475B-3875	Sequence 3875, Ap
20	19.4	57.1	247	US-10-154-884B-3875	Sequence 3875, Ap
21	19.4	57.1	247	US-10-040-862-3875	Sequence 3875, Ap
22	19.4	57.1	1125	US-09-925-300-674	Sequence 674, App
23	19.4	57.1	2542	US-10-094-749-380	Sequence 380, App
24	19.4	57.1	6109	US-09-795-061-1	Sequence 1, Appl
25	19.2	56.5	523	US-10-029-386-7254	Sequence 7254, Ap
26	19.2	56.5	1205	US-10-027-632-254370	Sequence 254370, Ap
27	19.2	56.5	1205	US-10-027-632-254370	Sequence 254370, Ap
28	19.2	56.5	1795	US-10-260-238-1220	Sequence 1220, Ap
29	19.2	56.5	1812	US-09-750-240-3	Sequence 3, Appl
30	19.2	56.5	3192	US-10-128-692A-75	Sequence 75, Appl
31	19.2	56.5	3192	US-10-140-827-75	Sequence 75, Appl
32	19.2	56.5	3192	US-10-137-870-75	Sequence 75, Appl
33	19.2	56.5	3192	US-10-140-018-75	Sequence 75, Appl
34	19.2	56.5	3192	US-10-140-021-75	Sequence 75, Appl
35	19.2	56.5	3192	US-10-140-274-75	Sequence 75, Appl
36	19.2	56.5	3192	US-10-140-471-75	Sequence 75, Appl
37	19.2	56.5	3192	US-10-140-807-75	Sequence 75, Appl
38	19.2	56.5	3192	US-10-140-922-75	Sequence 75, Appl
39	19.2	56.5	3192	US-10-140-924-75	Sequence 75, Appl
40	19.2	56.5	3192	US-10-140-926-75	Sequence 75, Appl
41	19.2	56.5	3192	US-10-141-698-75	Sequence 75, Appl
42	19.2	56.5	3192	US-10-141-702-75	Sequence 75, Appl
43	19.2	56.5	3192	US-10-141-704-75	Sequence 75, Appl
44	19.2	56.5	3192	US-10-142-421-75	Sequence 75, Appl
45	19.2	56.5	3192	US-10-142-432-75	Sequence 75, Appl

#### ALIGNMENTS

RESULT 1  
US-10-125-187-1  
Sequence 1, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNER-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
APPLICANT: CAHR, Nicholas F.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS  
TITLE OF INVENTION: METHODS OF USING SAME  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIORITY APPLICATION NUMBER: PCT/AU00/01248  
PRIORITY FILING DATE: 2000-10-18  
PRIORITY APPLICATION NUMBER: AU PQ 9162  
PRIORITY FILING DATE: 2000-08-03  
PRIORITY APPLICATION NUMBER: AU PQ 3485  
PRIORITY FILING DATE: 1999-10-18  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 1  
LENGTH: 405  
TYPE: DNA  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: alpha C fragment of human inhibin  
NAME/KEY: CDS  
LOCATION: (1)..(405)  
OTHER INFORMATION:  
US-10-125-187-1  
Query Match 97.1% Score 33; DB 13; Length 405;  
Best Local Similarity 97.1% Pred. No. 0.00036;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
QY 1 AGGCTCCGAGGAACGNCGTCCATGCACACT 34

Db 55 AGGCTCCGAGGAAACCGCTGCCATGCCCACT 88  
RESULT 2  
US-09-971-392-18  
; Sequence 18, Application US/09971392  
; Publication No. US20030134283A1  
; GENERAL INFORMATION:  
; APPLICANT: Peterson, David P.  
; APPLICANT: Pearson, Cecelia I.  
; TITLE OF INVENTION: GENES REGULATED IN DENDRITIC CELL DIFFERENTIATION  
; FILE REFERENCE: PA-0029 US  
; CURRENT APPLICATION NUMBER: US/09/971,392  
; CURRENT FILING DATE: 2001-10-03  
; PRIOR APPLICATION NUMBER: 60/237,652  
; PRIOR FILING DATE: 2000-10-03  
; NUMBER OF SEQ ID NOS: 260  
; SOFTWARE: PERL Program  
; SEQ ID NO 18  
; LENGTH: 1429  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Template ID: 336965.2  
US-09-971-392-18  
Query Match 97.1%; Score 33; DB 13; Length 1429;  
Best Local Similarity 97.1%; Pred. No. 0.0032;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Cy 1 AGGCTCCGAGGAAACCGCTGCCATGCCCACT 34  
Db 895 AGGCTCCGAGGAAACCGCTGCCATGCCCACT 928  
RESULT 3  
US-09-764-891-6046/c  
; Sequence 6046, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6046  
; LENGTH: 3422  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-891-6046  
Query Match 97.1%; Score 33; DB 11; Length 3422;  
Best Local Similarity 97.1%; Pred. No. 0.00029;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Cy 1 AGGCTCCGAGGAAACCGCTGCCATGCCCACT 34  
Db 538 AGGCTCCGAGGAAACCGCTGCCATGCCCACT 505  
RESULT 4  
US-09-764-891-6048/c  
; Sequence 6048, Application US/09764891  
; Publication No. US20030077808A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies

; FILE REFERENCE: PC006  
; CURRENT APPLICATION NUMBER: US/09/764,891  
; CURRENT FILING DATE: 2001-01-17  
; Prior application data removed - consult PALM or file wrapper  
; NUMBER OF SEQ ID NOS: 10231  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 6048  
; LENGTH: 3422  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-764-891-6048  
Query Match 97.1%; Score 33; DB 11; Length 3422;  
Best Local Similarity 97.1%; Pred. No. 0.00029;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Cy 1 AGGCTCCGAGGAAACCGCTGCCATGCCCACT 34  
Db 538 AGGCTCCGAGGAAACCGCTGCCATGCCCACT 505  
RESULT 5  
US-10-091-438-271/c  
; Sequence 271, Application US/10091438  
; Publication No. US20030077606A1  
; GENERAL INFORMATION:  
; APPLICANT: Rosen et al.  
; TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
; FILE REFERENCE: PT217C1  
; CURRENT APPLICATION NUMBER: US/10/091,438  
; CURRENT FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: 09/764,879  
; PRIOR FILING DATE: 2001-01-17  
; PRIOR APPLICATION NUMBER: 60/179,065  
; PRIOR FILING DATE: 2000-01-31  
; PRIOR APPLICATION NUMBER: 60/180,628  
; PRIOR FILING DATE: 2000-02-04  
; PRIOR APPLICATION NUMBER: 60/214,886  
; PRIOR FILING DATE: 2000-06-28  
; PRIOR APPLICATION NUMBER: 60/217,487  
; PRIOR FILING DATE: 2000-07-11  
; PRIOR APPLICATION NUMBER: 60/225,758  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/220,963  
; PRIOR FILING DATE: 2000-07-26  
; PRIOR APPLICATION NUMBER: 60/217,496  
; PRIOR FILING DATE: 2000-07-11  
; PRIOR APPLICATION NUMBER: 60/225,447  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/218,290  
; PRIOR FILING DATE: 2000-07-14  
; PRIOR APPLICATION NUMBER: 60/225,757  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/226,868  
; PRIOR FILING DATE: 2000-08-22  
; PRIOR APPLICATION NUMBER: 60/216,647  
; PRIOR FILING DATE: 2000-07-07  
; PRIOR APPLICATION NUMBER: 60/225,267  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/216,880  
; PRIOR FILING DATE: 2000-07-07  
; PRIOR APPLICATION NUMBER: 60/225,270  
; PRIOR FILING DATE: 2000-08-14  
; PRIOR APPLICATION NUMBER: 60/251,869  
; PRIOR FILING DATE: 2000-12-08  
; PRIOR APPLICATION NUMBER: 60/235,834  
; PRIOR FILING DATE: 2000-09-27  
; PRIOR APPLICATION NUMBER: 60/234,274  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: 60/234,223  
; PRIOR FILING DATE: 2000-09-21  
; PRIOR APPLICATION NUMBER: 60/228,924  
; PRIOR FILING DATE: 2000-08-30

PRIOR APPLICATION NUMBER: 60/224,518  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/236,369  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/224,519  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/220,964  
PRIOR FILING DATE: 2000-07-26  
PRIOR APPLICATION NUMBER: 60/241,809  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/249,299  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/236,327  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/241,785  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/244,617  
PRIOR FILING DATE: 2000-11-01  
PRIOR APPLICATION NUMBER: 60/225,268  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/236,368  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/251,856  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/251,868  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/229,344  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/234,997  
PRIOR FILING DATE: 2000-09-25  
PRIOR APPLICATION NUMBER: 60/229,343  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,345  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,287  
PRIOR FILING DATE: 2000-09-01  
PRIOR APPLICATION NUMBER: 60/229,513  
PRIOR FILING DATE: 2000-09-05  
PRIOR APPLICATION NUMBER: 60/231,413  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/229,509  
PRIOR FILING DATE: 2000-09-05  
PRIOR APPLICATION NUMBER: 60/236,367  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/237,039  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,038  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/236,370  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/236,802  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,037  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/237,040  
PRIOR FILING DATE: 2000-10-02  
PRIOR APPLICATION NUMBER: 60/240,960  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/239,935  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: 60/239,937  
PRIOR FILING DATE: 2000-10-13  
PRIOR APPLICATION NUMBER: 60/241,787  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/246,474  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/246,532  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/249,216  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,210  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/226,681

PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 60/225,759  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/225,213  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/227,182  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 60/225,214  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/235,836  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: 60/230,438  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/215,135  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: 60/225,266  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/249,218  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,208  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,213  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,212  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,207  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,245  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,244  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,217  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,211  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,215  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,264  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,214  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,297  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/232,400  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/231,242  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/232,081  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/232,080  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/231,414  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/231,244  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/233,064  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/233,063  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,397  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,399  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,401  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/241,808  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,826  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,786  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,221  
PRIOR FILING DATE: 2000-10-20

;; PRIOR APPLICATION NUMBER: 60/246,475  
;; PRIOR FILING DATE: 2000-11-08  
;; PRIOR APPLICATION NUMBER: 60/231,243  
;; PRIOR FILING DATE: 2000-09-08

Query Match 97.1%; Score 33; DB 15; Length 3422;  
Best Local Similarity 97.1%; Pred. No. 0.00029;  
Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Cy 1 AGGCTCGGAGAACGCGCCATGCGCACT 34  
Db 538 AGGCTCGGAGAACGCGCTGCGCCATGCGCACT 505

RESULT 6  
US-10-091-438-273  
Sequence 273, Application US/10091438  
Publication No. US20030077606A1  
GENERAL INFORMATION:  
APPLICANT: Rosen et al.  
TITLE OF INVENTION: Nucleic Acids, Proteins, and Antibodies  
FILE REFERENCE: PT217C1  
CURRENT APPLICATION NUMBER: US/10/091,438  
PRIOR FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 09/764,879  
PRIOR FILING DATE: 2001-01-17  
PRIOR APPLICATION NUMBER: 60/179,065  
PRIOR FILING DATE: 2000-01-31  
PRIOR APPLICATION NUMBER: 60/180,628  
PRIOR FILING DATE: 2000-02-04  
PRIOR APPLICATION NUMBER: 60/214,886  
PRIOR FILING DATE: 2000-06-28  
PRIOR APPLICATION NUMBER: 60/217,487  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/225,758  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/220,963  
PRIOR FILING DATE: 2000-07-26  
PRIOR APPLICATION NUMBER: 60/217,496  
PRIOR FILING DATE: 2000-07-11  
PRIOR APPLICATION NUMBER: 60/225,447  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/218,290  
PRIOR FILING DATE: 2000-07-14  
PRIOR APPLICATION NUMBER: 60/225,757  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/226,868  
PRIOR FILING DATE: 2000-08-22  
PRIOR APPLICATION NUMBER: 60/216,647  
PRIOR FILING DATE: 2000-07-07  
PRIOR APPLICATION NUMBER: 60/225,267  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/216,880  
PRIOR FILING DATE: 2000-07-07  
PRIOR APPLICATION NUMBER: 60/225,270  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/251,869  
PRIOR FILING DATE: 2000-12-08  
PRIOR APPLICATION NUMBER: 60/235,834  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: 60/234,274  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: 60/234,223  
PRIOR FILING DATE: 2000-09-21  
PRIOR APPLICATION NUMBER: 60/228,924  
PRIOR FILING DATE: 2000-08-30  
PRIOR APPLICATION NUMBER: 60/224,518  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/236,369  
PRIOR FILING DATE: 2000-09-29  
PRIOR APPLICATION NUMBER: 60/224,519  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/220,964

;; PRIOR FILING DATE: 2000-07-26  
;; PRIOR APPLICATION NUMBER: 60/241,809  
;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 60/249,299  
;; PRIOR FILING DATE: 2000-11-17  
;; PRIOR APPLICATION NUMBER: 60/236,327  
;; PRIOR FILING DATE: 2000-09-29  
;; PRIOR APPLICATION NUMBER: 60/241,785  
;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 60/244,617  
;; PRIOR FILING DATE: 2000-11-01  
;; PRIOR APPLICATION NUMBER: 60/225,268  
;; PRIOR FILING DATE: 2000-08-14  
;; PRIOR APPLICATION NUMBER: 60/236,368  
;; PRIOR FILING DATE: 2000-09-29  
;; PRIOR APPLICATION NUMBER: 60/251,856  
;; PRIOR FILING DATE: 2000-12-08  
;; PRIOR APPLICATION NUMBER: 60/251,868  
;; PRIOR FILING DATE: 2000-12-08  
;; PRIOR APPLICATION NUMBER: 60/229,344  
;; PRIOR FILING DATE: 2000-09-01  
;; PRIOR APPLICATION NUMBER: 60/234,997  
;; PRIOR FILING DATE: 2000-09-25  
;; PRIOR APPLICATION NUMBER: 60/229,343  
;; PRIOR FILING DATE: 2000-09-01  
;; PRIOR APPLICATION NUMBER: 60/229,345  
;; PRIOR FILING DATE: 2000-09-01  
;; PRIOR APPLICATION NUMBER: 60/229,287  
;; PRIOR FILING DATE: 2000-09-01  
;; PRIOR APPLICATION NUMBER: 60/229,513  
;; PRIOR FILING DATE: 2000-09-05  
;; PRIOR APPLICATION NUMBER: 60/231,413  
;; PRIOR FILING DATE: 2000-09-08  
;; PRIOR APPLICATION NUMBER: 60/229,509  
;; PRIOR FILING DATE: 2000-09-05  
;; PRIOR APPLICATION NUMBER: 60/236,367  
;; PRIOR FILING DATE: 2000-09-29  
;; PRIOR APPLICATION NUMBER: 60/237,039  
;; PRIOR FILING DATE: 2000-10-02  
;; PRIOR APPLICATION NUMBER: 60/237,038  
;; PRIOR FILING DATE: 2000-10-02  
;; PRIOR APPLICATION NUMBER: 60/236,370  
;; PRIOR FILING DATE: 2000-09-29  
;; PRIOR APPLICATION NUMBER: 60/236,802  
;; PRIOR FILING DATE: 2000-10-02  
;; PRIOR APPLICATION NUMBER: 60/237,037  
;; PRIOR FILING DATE: 2000-10-02  
;; PRIOR APPLICATION NUMBER: 60/237,040  
;; PRIOR FILING DATE: 2000-10-02  
;; PRIOR APPLICATION NUMBER: 60/240,960  
;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 60/239,935  
;; PRIOR FILING DATE: 2000-10-13  
;; PRIOR APPLICATION NUMBER: 60/239,937  
;; PRIOR FILING DATE: 2000-10-13  
;; PRIOR APPLICATION NUMBER: 60/241,787  
;; PRIOR FILING DATE: 2000-10-20  
;; PRIOR APPLICATION NUMBER: 60/246,474  
;; PRIOR FILING DATE: 2000-11-08  
;; PRIOR APPLICATION NUMBER: 60/246,532  
;; PRIOR FILING DATE: 2000-11-08  
;; PRIOR APPLICATION NUMBER: 60/249,216  
;; PRIOR FILING DATE: 2000-11-17  
;; PRIOR APPLICATION NUMBER: 60/249,210  
;; PRIOR FILING DATE: 2000-11-17  
;; PRIOR APPLICATION NUMBER: 60/226,681  
;; PRIOR FILING DATE: 2000-08-22  
;; PRIOR APPLICATION NUMBER: 60/225,759  
;; PRIOR FILING DATE: 2000-08-14  
;; PRIOR APPLICATION NUMBER: 60/225,213  
;; PRIOR FILING DATE: 2000-08-14  
;; PRIOR APPLICATION NUMBER: 60/227,182  
;; PRIOR FILING DATE: 2000-08-22

PRIOR APPLICATION NUMBER: 60/225,214  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/235,836  
PRIOR FILING DATE: 2000-09-27  
PRIOR APPLICATION NUMBER: 60/230,438  
PRIOR FILING DATE: 2000-09-06  
PRIOR APPLICATION NUMBER: 60/215,135  
PRIOR FILING DATE: 2000-06-30  
PRIOR APPLICATION NUMBER: 60/225,266  
PRIOR FILING DATE: 2000-08-14  
PRIOR APPLICATION NUMBER: 60/249,218  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,208  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,213  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,212  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,207  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,245  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,244  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,217  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,211  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,215  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,264  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,214  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/249,297  
PRIOR FILING DATE: 2000-11-17  
PRIOR APPLICATION NUMBER: 60/232,400  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/231,242  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/232,081  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/232,080  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/231,414  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/231,244  
PRIOR FILING DATE: 2000-09-08  
PRIOR APPLICATION NUMBER: 60/233,064  
PRIOR FILING DATE: 2000-09-14  
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PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,397  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,399  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/232,401  
PRIOR FILING DATE: 2000-09-14  
PRIOR APPLICATION NUMBER: 60/241,808  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,826  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,786  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/241,221  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/246,475  
PRIOR FILING DATE: 2000-11-08  
PRIOR APPLICATION NUMBER: 60/231,243  
PRIOR FILING DATE: 2000-09-08

Query Match 97.1%; Score 33; DB 15; Length 3422;  
Best Local Similarity 97.1%; Pred. No. 0.00029;

Matches 33; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
Qy 1 AGGCTCCGAGAGAACGCTGCGGCACT 34  
Db 2885 AGGCTCCGAGAGAACGCTGCGGCACT 2918

RESULT 7  
US-10-029-386-19884/c  
Sequence 19884, Application US/10029386  
Publication No. US20030194704A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
FILE REFERENCE: AECOMICA-X-2  
CURRENT APPLICATION NUMBER: US/10/029,386  
CURRENT FILING DATE: 2001-12-20  
NUMBER OF SEQ ID NOS: 34288  
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 19884  
LENGTH: 226  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AC013602.2  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.36  
OTHER INFORMATION: NT HIT: AB037848.1, EVALUATE 1.00e-124  
OTHER INFORMATION: SWISSPROT HIT: P39060, EVALUATE 2.20e-01  
OTHER INFORMATION: EST\_HUMAN HIT: AL532730.1, EVALUATE 1.00e-123  
US-10-029-386-19884

Query Match 61.2%; Score 20.8; DB 13; Length 226;  
Best Local Similarity 75.8%; Pred. No. 36;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;  
Qy 1 AGGCTCCGAGAGAACGCTGCGGCACT 33  
Db 103 AGGCTCCGAGAGAACGCTGCGGCACT 71

RESULT 8  
US-10-029-386-6153/c  
Sequence 6153, Application US/10029386  
Publication No. US20030194704A1  
GENERAL INFORMATION:  
APPLICANT: Penn, Sharon G.  
APPLICANT: Rank, David R.  
APPLICANT: Hanzel, David K.  
TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR G  
FILE REFERENCE: AECOMICA-X-2  
CURRENT APPLICATION NUMBER: US/10/029,386  
CURRENT FILING DATE: 2001-12-20  
NUMBER OF SEQ ID NOS: 34288  
SOFTWARE: Annomax Sequence Listing Engine vers. 1.1  
SEQ ID NO 6153  
LENGTH: 500  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
OTHER INFORMATION: MAP TO AC013602.2  
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 0.36  
OTHER INFORMATION: EST\_HUMAN HIT: AL532730.1, EVALUATE 1.00e-125  
OTHER INFORMATION: NT HIT: g14767838, EVALUATE 1.00e-127  
OTHER INFORMATION: SWISSPROT HIT: P39060, EVALUATE 9.10e-01  
US-10-029-386-6153

Query Match 61.2%; Score 20.8; DB 13; Length 500;  
Best Local Similarity 75.8%; Pred. No. 33;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAGAACGCTGCCATGCCAAC 33  
Db 166 AGGTCTACGAGAGAGCCACCTGCCTGCCAGC 134

RESULT 9  
US-10-127-032-41/c  
Sequence 41, Application US/10127032  
Publication No. US20030113742A1

GENERAL INFORMATION:  
APPLICANT: Whiteley, Marvin  
APPLICANT: Bangerter, M. Gita  
APPLICANT: Lory, Stephen  
APPLICANT: Greenberg, Everett Peter  
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE MODULATION OF  
TITLE OF INVENTION: BIOPHILM FORMATION  
FILE REFERENCE: UIZ-070CP  
CURRENT FILING DATE: 2002-04-19  
PRIOR FILING DATE: 2002-04-19  
PRIOR APPLICATION NUMBER: US 60/285,190  
PRIOR FILING DATE: 2001-04-20  
PRIOR APPLICATION NUMBER: US 60/344,142  
PRIOR FILING DATE: 2001-10-24  
NUMBER OF SEQ ID NOS: 170  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 41  
LENGTH: 918  
TYPE: DNA  
ORGANISM: Pseudomonas aeruginosa  
US-10-127-032-41

Query Match 61.2%; Score 20.8; DB 15; Length 918;  
Best Local Similarity 75.8%; Pred. No. 32;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 2 GGCTCCGAGAGAACGCTGCCATGCCAAC 34  
Db 564 GGCTCCGAGAGAGCCACCTGCCTGCCAGC 532

RESULT 10  
US-10-426-776-51  
Sequence 51, Application US/10426776  
Publication No. US20040009553A1

GENERAL INFORMATION:  
APPLICANT: Gluckman, Maria Alexandra  
APPLICANT: Williamson, Mark J.  
APPLICANT: Tsai, Fong-Yang  
APPLICANT: Rudolph-Owen, Laura A.  
APPLICANT: Kapeller-Libermann, Rosana  
APPLICANT: Meyers, Rachel E.  
APPLICANT: Chiang, Lillian Wei-Ming  
APPLICANT: Hunter, John Joseph  
APPLICANT: Wood, Andrew  
APPLICANT: Jenkins, Loreayne P.  
TITLE OF INVENTION: NOVEL 27411, 23413, 22438, 23553,  
TITLE OF INVENTION: 25278, 26212, NARC SCI, NARC 10A, NARC 1, NARC 12, NARC 13,  
TITLE OF INVENTION: NARC17, NARC 25, NARC 3, NARC 4, NARC 7, NARC 8, NARC 11,  
TITLE OF INVENTION: NARC 14, NARC 15, NARC 16, NARC 19, NARC 20, NARC 26, NARC  
TITLE OF INVENTION: 27, NARC 28, NARC 30, NARC 5, NARC 6, NARC 9, NARC 10C, NARC  
TITLE OF INVENTION: 8B, NARC 9, NARC2A, NARC 16B, NARC 1C, NARC 1A, NARC 25,  
FILE REFERENCE: MP103-0620M1M  
CURRENT FILING DATE: 2003-04-30  
PRIOR FILING DATE: 2003-04-30  
PRIOR APPLICATION NUMBER: 10/229,662  
PRIOR FILING DATE: 2002-08-28  
PRIOR APPLICATION NUMBER: 09/795,691  
PRIOR FILING DATE: 2001-02-28  
PRIOR APPLICATION NUMBER: 60/185,517  
PRIOR FILING DATE: 2000-02-28  
PRIOR APPLICATION NUMBER: 10/105,992

PRIOR FILING DATE: 2002-03-25  
PRIOR APPLICATION NUMBER: 09/406,045  
PRIOR FILING DATE: 1999-09-27  
PRIOR APPLICATION NUMBER: 10/314,881  
PRIOR FILING DATE: 2002-12-09  
PRIOR APPLICATION NUMBER: 09/773,426  
PRIOR FILING DATE: 2001-01-31  
PRIOR APPLICATION NUMBER: 09/495,823  
PRIOR FILING DATE: 2000-01-31  
PRIOR APPLICATION NUMBER: 09/692,785  
PRIOR FILING DATE: 2000-10-20  
PRIOR APPLICATION NUMBER: 60/161,188  
PRIOR FILING DATE: 1999-10-22  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 56  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 51  
LENGTH: 5145  
TYPE: DNA  
ORGANISM: Homo Sapiens  
US-10-426-776-51

Query Match 61.2%; Score 20.8; DB 12; Length 5145;  
Best Local Similarity 75.8%; Pred. No. 27;  
Matches 25; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

Qy 1 AGGCTCCGAGAGAACGCTGCCATGCCAAC 33  
Db 419 AGGTCTACGAGAGAGCCACCTGCCTGCCAGC 451

RESULT 11  
US-10-120-988-36

Sequence 36, Application US/10120988  
Publication No. US20030219745A1  
GENERAL INFORMATION:  
APPLICANT: Tang, Y. Tom  
APPLICANT: Goodrich, Ryle  
APPLICANT: Liu, Chenghua  
APPLICANT: Ren, Feiyun  
APPLICANT: Wang, Dunrui  
APPLICANT: Drmanac, Radoje T.  
TITLE OF INVENTION: No. US20030219745A1el Nucleic Acids and  
FILE REFERENCE: 802CON  
CURRENT FILING DATE: 2002-04-11  
PRIOR FILING DATE: 2001-01-30  
NUMBER OF SEQ ID NOS: 441  
SOFTWARE: PL\_genes Version 2.0  
SEQ ID NO 36  
LENGTH: 1799  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (124)..(831)  
US-10-120-988-36

Query Match 58.8%; Score 20; DB 13; Length 1799;  
Best Local Similarity 79.3%; Pred. No. 63;  
Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 2 GGCTCCGAGAGAACGCTGCCATGCC 30  
Db 181 GGCTCCGAGAGAGCCACCTGCCTGCC 209

RESULT 12  
US-10-027-632-68903  
Sequence 68903, Application US/10027632  
Publication No. US20030204075A9



```
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68903
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-68903

Query Match          58.2%; Score 19.8; DB 13; Length 548;
Best Local Similarity 75.0%; Pred. No. 85;
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      1 AGGCTCGGAGAACGCGTCCATGCCAA 32
         ||||| ||||| ||||| |||||
Db      481 AGCCTGGAGAGAACCGAATGCCATGCCA 512

RESULT 13
US-10-027-632-294721
; Sequence 294721, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 294721
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-294721

Query Match          58.2%; Score 19.8; DB 13; Length 548;
Best Local Similarity 75.0%; Pred. No. 85;
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
```

```
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      1 AGGCTCGGAGAACGCGTCCATGCCAA 32
         ||||| ||||| ||||| |||||
Db      481 AGCCTGGAGAGAACCGAATGCCATGCCA 512

RESULT 14
US-10-027-632-68903
; Sequence 68903, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 68903
; LENGTH: 548
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-68903

Query Match          58.2%; Score 19.8; DB 14; Length 548;
Best Local Similarity 75.0%; Pred. No. 85;
Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY      1 AGGCTCGGAGAACGCGTCCATGCCAA 32
         ||||| ||||| ||||| |||||
Db      481 AGCCTGGAGAGAACCGAATGCCATGCCA 512

RESULT 15
US-10-027-632-294721
; Sequence 294721, Application US/10027632
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
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Wed Feb 4 09:54:00 2004

us-09-913-524-33.rnpb

Page 8

```

: SOFTWARE: FATFSQ for Windows Version 4.0
:
: SEQ ID NO 294721
:
: LENGTH: 548
:
: TYPE: DNA
:
: ORGANISM: Human
:
US-10-027-632-294721

```

Query Match	58.2%	Score 19.8;	DB 14;	Length 548;
Best Local Similarity	75.0%;	Pred. No. 85;		
Matches 24; Conservative	0;	Mismatches 8;	Indels . 0;	Gaps 0;

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Oy      1 AGGCTCCGAGGAACCGACTGCCATGCCAA 32
          |||||  |||||  |||||  |||||
Db      481 AGGCTGAGAGGAACCGAATGCCATGACCA 512

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Search completed: February 3, 2004, 23:51:20  
Job time : 121.767 secs

GenCore version 5.1.6  
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OM nucleic - nucleic search, using sw model

Run on: February 3, 2004, 15:48:45 ; Search time 24.9922 Seconds  
(without alignment)  
547.485 Million cell updates/sec

Title: US-09-913-524-34

Perfect score: 31  
Sequence: 1 atcattgtccctctgctcatcgcacac 31

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 569978 seqs, 220691566 residues

Total number of hits satisfying chosen parameters: 1139956

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued Patents NA:  
1: /cgn2\_6/ptodata/1/ina/5A\_COMB.seq:\*  
2: /cgn2\_6/ptodata/1/ina/5B\_COMB.seq:\*  
3: /cgn2\_6/ptodata/1/ina/6A\_COMB.seq:\*  
4: /cgn2\_6/ptodata/1/ina/6B\_COMB.seq:\*  
5: /cgn2\_6/ptodata/1/ina/6C\_COMB.seq:\*  
6: /cgn2\_6/ptodata/1/ina/backfiles1.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	31	100.0	1633	1	US-08-197-792-42
2	31	100.0	1633	1	US-08-459-850-42
3	31	100.0	1633	1	US-08-459-214-42
4	31	100.0	1840	4	US-09-016-434-1200
5	23	74.2	3588	1	US-08-197-792-32
6	23	74.2	3588	1	US-08-459-850-32
7	23	74.2	3588	1	US-08-459-214-32
8	21.4	69.0	1667	1	US-08-455-550-1
9	19.8	63.9	400	1	US-07-764-731B-5
10	19.8	63.9	406	1	US-08-163-877-7
11	19.8	63.9	406	1	US-08-360-914B-7
12	19.8	63.9	406	1	US-08-741-589A-7
13	19.8	63.9	406	5	PCT-US94-13181-7
14	19.8	63.9	497	4	US-08-868-452-43
15	19.8	63.9	894	1	US-07-764-731B-3
16	19.8	63.9	894	6	5187076-3
17	19.8	63.9	2923	1	US-08-377-222-6
18	19.8	63.9	2923	2	US-07-989-847-7
19	19.8	63.9	2923	3	US-08-469-411-7
20	19.8	63.9	2923	6	5187076-5
21	19	61.3	5741	1	US-07-706-699-4
22	19	61.3	5741	1	US-07-998-931-4
23	18.8	60.6	99	1	US-07-967-262-1
24	18.8	60.6	509	3	US-09-385-982-43
25	18.8	60.6	1164	4	US-09-134-001C-2199
26	18.8	60.6	1628	3	US-09-147-522-3
27	18.8	60.6	3315	4	US-09-221-017B-76

c 28	18.8	60.6	5000	3	US-09-147-522-5	Sequence 5, Appl1
c 29	18.6	60.0	111282	4	US-09-754-250-3	Sequence 3, Appl1
c 30	18.6	60.0	112132	4	US-09-741-150-3	Sequence 3, Appl1
31	18.4	59.4	1938	3	US-09-232-200-29	Sequence 29, Appl1
32	18.4	59.4	1938	4	US-09-232-197-29	Sequence 29, Appl1
33	18.4	59.4	1938	4	US-09-232-201-29	Sequence 29, Appl1
34	18.4	59.4	3217	3	US-09-232-200-64	Sequence 64, Appl1
35	18.4	59.4	3217	4	US-09-232-197-64	Sequence 64, Appl1
36	18.4	59.4	3217	4	US-09-232-201-64	Sequence 64, Appl1
37	18.4	59.4	9046	1	US-08-227-536-1	Sequence 1, Appl1
38	18.4	59.4	9046	5	PCT-US95-04682-1	Sequence 1, Appl1
39	18.2	58.7	337	4	US-08-868-452-29	Sequence 29, Appl1
40	18.2	58.7	337	1	US-08-470-837-29	Sequence 29, Appl1
41	18.2	58.7	1524	1	US-08-197-792-34	Sequence 34, Appl1
42	18.2	58.7	1524	1	US-08-459-850-34	Sequence 34, Appl1
43	18.2	58.7	1524	1	US-08-459-214-34	Sequence 34, Appl1
44	18.2	58.7	1873	1	US-07-841-646-24	Sequence 24, Appl1
45	18.2	58.7	1873	1	US-07-901-703-8	Sequence 8, Appl1

ALIGNMENTS

RESULT 1  
US-08-197-792-42  
; Sequence 42, Application US/08197792  
; Patent No. 5525488  
; GENERAL INFORMATION:  
; APPLICANT: Anthony J. Mason  
; APPLICANT: Peter H. Seeburg  
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Patin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/197,792  
; FILING DATE: 16-FEB-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/958414  
; FILING DATE: 08-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/744207  
; FILING DATE: 12-AUG-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/215466  
; FILING DATE: 05-JUL-1988  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/906729  
; FILING DATE: 31-DEC-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/827710  
; FILING DATE: 07-FEB-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/783910  
; FILING DATE: 03-OCT-1985  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Haack, Janet E.  
; REGISTRATION NUMBER: 28,616  
; REFERENCE/DOCKET NUMBER: 297P2D4  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-1896  
; TELEFAX: 415/952-9861

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1633 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-42

Query Match 100.0%; Score 31; DB 1; Length 1633;  
Best Local Similarity 100.0%; Pred. No. 0.00011;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGGCTATCATGCCCACT 31  
Db 1251 ATCATGCTCCCTCTGGCTATCATGCCCACT 1281

RESULT 2  
US-08-459-850-42

Sequence 42, Application US/08459850  
Patent No. 5665568

## GENERAL INFORMATION:

APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

## COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459, 850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985

## ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28, 616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1633 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-42

Query Match 100.0%; Score 31; DB 1; Length 1633;  
Best Local Similarity 100.0%; Pred. No. 0.00011;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTCTGGCTATCATGCCCACT 31  
Db 1251 ATCATGCTCCCTCTGGCTATCATGCCCACT 1281

RESULT 3  
US-08-459-214-42

Sequence 42, Application US/08459214  
Patent No. 5716810

## GENERAL INFORMATION:

APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

## COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459, 214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985

## ATTORNEY/AGENT INFORMATION:

NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28, 616  
REFERENCE/DOCKET NUMBER: 297P2D6  
TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1633 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-42

Query Match 100.0%; Score 31; DB 1; Length 1633;  
Best Local Similarity 100.0%; Pred. No. 0.00011;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGCGGTATCATGCCAACT 31  
Db 1251 ATCATGCTCCCTGCGGTATCATGCCAACT 1251

RESULT 4  
US-09-016-434-1200  
Sequence 1200, Application US/09016434  
Patent No. 6500938  
GENERAL INFORMATION:  
APPLICANT: Janice Au-Young  
APPLICANT: Jeffrey J. Seilhamer  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
NUMBER OF SEQUENCES: 1490  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/016,434  
FILING DATE: HEREWITH  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0002 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 1200:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1840 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GENBANK  
CLONE: g181946  
US-09-016-434-1200

Query Match 100.0%; Score 31; DB 4; Length 1840;  
Best Local Similarity 100.0%; Pred. No. 0.00012;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGCGGTATCATGCCAACT 31  
Db 1100 ATCATGCTCCCTGCGGTATCATGCCAACT 1100

RESULT 5  
US-08-197-792-32  
Sequence 32, Application US/08197792  
Patent No. 5523488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3588 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-32

Query Match 74.2%; Score 23; DB 1; Length 3588;  
Best Local Similarity 83.9%; Pred. No. 0.45;  
Matches 26; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGCGGTATCATGCCAACT 31  
Db 1042 ATCATGCTCCCTGCGGTATCATGCCAACT 1072

RESULT 6  
US-08-459-850-32  
Sequence 32, Application US/08459850

Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasek, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3588 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-32

Query Match 74.2%; Score 23; DB 1; Length 3588;  
Best Local Similarity 83.9%; Pred. No. 0.45;  
Matches 26; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGCTATCATGCCAACT 31  
Db 1042 ATCATGCTCCCTGCTGCTATCATGCCAACT 1072

RESULT 7  
US-08-459-214-32  
Sequence 32, Application US/08459214

Patent No. 5716910  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasek, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3588 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-32

Query Match 74.2%; Score 23; DB 1; Length 3588;  
Best Local Similarity 83.9%; Pred. No. 0.45;  
Matches 26; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTGCTGCTATCATGCCAACT 31  
Db 1042 ATCATGCTCCCTGCTGCTATCATGCCAACT 1072

RESULT 8  
US-08-455-550-1  
Sequence 1, Application US/08455550

Patent No. 5670338  
GENERAL INFORMATION:  
APPLICANT: MURAKAMI, KAZUO  
APPLICANT: UENO, NAOTO  
APPLICANT: KATO, YUKIO  
TITLE OF INVENTION: XENOPUS LAEVIS BONE MORPHOGENETIC PROTEINS AND USE THE  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dike, Bronstein, Roberts & Cushman  
STREET: 130 Water Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/455,550  
FILING DATE: 31-MAY-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/056,564  
FILING DATE: 30-APR-1993  
APPLICATION NUMBER: 07/577,892  
FILING DATE: 05-SEP-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Eisenstein, Ronald I  
REGISTRATION NUMBER: 30628  
REFERENCE/DOCKET NUMBER: 40302-FWC-DIV  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-523-3400  
TELEFAX: 617-523-6440  
TELEX: 200291  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1667 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE:  
ORIGINAL SOURCE:  
US-08-455-550-1

Query Match 69.0%; Score 21.4; DB 1; Length 1667;  
Best Local Similarity 80.6%; Pred. No. 2;  
Matches 25; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATCATTTGCTCCCTCTGGCTATCATGCCCACT 31  
DB 777 ATCATAGCACCTCTGGCTACATGCACATT 807

RESULT 9  
US-07-764-731B-5  
Sequence 5, Application US/07764731B  
Patent No. 5366875  
GENERAL INFORMATION:  
APPLICANT: Rosen, Vicki A.  
APPLICANT: Wang, Elizabeth A.  
APPLICANT: Wozney, John M.  
TITLE OF INVENTION: Methods for Producing BMP-7 Proteins  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Legal Affairs, Genetics Institute, Inc.  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: MA

COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/764,731B  
FILING DATE: 19910924  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Kapinos, Ellen J.  
REGISTRATION NUMBER: 32,245  
REFERENCE/DOCKET NUMBER: G5159B  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-876-1170  
TELEFAX: 617-876-5851  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 400 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: cDNA to mRNA  
HYPOTHETICAL: NO  
FRAGMENT TYPE: C-terminal  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
CELL LINE: U2-OS Osteosarcoma  
IMMEDIATE SOURCE:  
LIBRARY: U2-OS human osteosarcoma cDNA library  
CLONE: U2-7  
POSITION IN GENOME:  
UNITS: bp  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..399  
FEATURE:  
NAME/KEY: mat\_peptide  
LOCATION: 1..400  
FEATURE:  
NAME/KEY: mRNA  
LOCATION: 1..400  
US-07-764-731B-5

Query Match 63.9%; Score 19.8; DB 1; Length 400;  
Best Local Similarity 77.4%; Pred. No. 7.5;  
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATTTGCTCCCTCTGGCTATCATGCCCACT 31  
DB 145 ATCATTGACCCAGGGCTATGCTGCCAATT 175

RESULT 10  
US-08-163-877-7  
Sequence 7, Application US/08163877  
Patent No. 5396677  
GENERAL INFORMATION:  
APPLICANT: McCoy, John  
APPLICANT: Murray, Beth  
APPLICANT: Wolfman, Neil  
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENETIC PROTEINS  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc - Legal Affairs  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:

MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/163,877  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lazat, Steven R.  
REGISTRATION NUMBER: 32,618  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617 876-1170 x 8260  
TELEFAX: 617 876-5851  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 406 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
ORGANISM: bmp-6  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..396  
US-08-163-877-7

Query Match 63.9%; Score 19.8; DB 1; Length 406;  
Best Local Similarity 77.4%; Pred. No. 7.5;  
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

1 ATCATTGCTCCCTGCTATCATGCCCACT 31  
145 ATCATTGCACCCAGGCTATGCTGCCAATT 175

Db

RESULT 11  
US-08-360-914B-7  
Sequence 7, Application US/08360914B  
Patent No. 5756308  
GENERAL INFORMATION:  
APPLICANT: Neil M. WOLFMAN and John MCCOY  
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc - Legal Affairs  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/360,914B  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/163,877  
FILING DATE: December 7, 1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Lazat, Steven R.  
REGISTRATION NUMBER: 32,618  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617 498-8260  
TELEFAX: 617 876-5851  
INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:  
LENGTH: 406 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
ORGANISM: bmp-6  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..396  
US-08-360-914B-7

Query Match 63.9%; Score 19.8; DB 1; Length 406;  
Best Local Similarity 77.4%; Pred. No. 7.5;  
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

1 ATCATTGCTCCCTGCTATCATGCCCACT 31  
145 ATCATTGCACCCAGGCTATGCTGCCAATT 175

Db

RESULT 12  
US-08-741-589A-7  
Sequence 7, Application US/08741589A  
Patent No. 5804416  
GENERAL INFORMATION:  
APPLICANT: Neil M. WOLFMAN and John MCCOY  
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS  
NUMBER OF SEQUENCES: 13  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genetics Institute, Inc - Legal Affairs  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/741,589A  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/163,877  
FILING DATE: December 7, 1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Lazat, Steven R.  
REGISTRATION NUMBER: 32,618  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617 498-8260  
TELEFAX: 617 876-5851  
INFORMATION FOR SEQ ID NO: 7:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 406 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
ORGANISM: bmp-6  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..396  
US-08-741-589A-7

Query Match 63.9%; Score 19.8; DB 1; Length 406;  
Best Local Similarity 77.4%; Pred. No. 7.5;  
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;





UNITS: bp  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..669  
FEATURE:  
NAME/KEY: mat\_peptide  
LOCATION: 250..666  
FEATURE:  
NAME/KEY: mRNA  
LOCATION: 1..894  
US-07-764-731B-3

Query Match 63.9%; Score 19.8; DB 1; Length 894;  
Best Local Similarity 77.4%; Pred. No. 8.8;  
Matches 24; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGTGCTCCCTCTGGCTATCATGCCCACT 31  
|||  
Db 415 ATCATGTGCCCCCAAGGCTACGCTGCCCACT 445  
|||

Search completed: February 3, 2004, 21:41:46  
Job time : 25.9922 secs

GenCore version 5.1.6  
Copyright (c) 1993 - 2004 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: February 3, 2004, 21:23:30 / Search time 111.023 Seconds  
(without alignments)  
1028.547 Million cell updates/sec

Title: US-09-913-524-34

Perfect score: 31

Sequence: 1 atcatgtccctcgtcatcaccacact 31

Scoring table:

IDENTITY NUC

Gapop 10.0, Gapext 1.0

Searched: 2449703 seqs, 1841816367 residues

Total number of hits satisfying chosen parameters: 4899406

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Published Applications NA:\*

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2: /cgn2\_6/ptodata/2/pubpna/PCT\_NEW\_PUB.seq:\*

3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*

4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*

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10: /cgn2\_6/ptodata/2/pubpna/US09B\_PUBCOMB.seq:\*

11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq:\*

12: /cgn2\_6/ptodata/2/pubpna/US09D\_PUBCOMB.seq:\*

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15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq:\*

16: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*

17: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*

18: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	31	100.0	391	US-10-242-535A-56066	Sequence 56066, A
2	31	100.0	405	US-09-962-436-169	Sequence 169, App
3	31	100.0	425	US-09-738-630-95	Sequence 95, App1
4	31	100.0	494	US-09-918-995-24537	Sequence 24537, A
5	31	100.0	1620	US-10-084-817-59	Sequence 59, App1
6	31	100.0	1840	US-10-295-027-953	Sequence 953, App
7	31	100.0	1840	US-10-305-720-1200	Sequence 1200, App
8	31	100.0	1840	US-10-241-220-15	Sequence 15, App1
9	31	100.0	1840	US-10-301-822-88	Sequence 88, App1
10	31	100.0	1840	US-10-171-311-94	Sequence 94, App1
11	31	100.0	1840	US-10-177-293-231	Sequence 231, App
12	31	100.0	2462	US-10-198-846-13039	Sequence 13039, A
13	31	100.0	4068	US-09-962-436-295	Sequence 295, App
14	31	100.0	4068	US-09-954-531-182	Sequence 182, App
15	31	100.0	4068	US-09-954-531-387	Sequence 387, App

16	31	100.0	6084	US-09-918-624B-3	Sequence 3, App1
17	31	100.0	14416	US-09-764-891-8179	Sequence 8179, App
18	28	90.3	222	US-10-242-535A-52495	Sequence 52495, A
19	28	68.4	63720	US-10-034-650-46	Sequence 46, App1
20	21.2	68.4	63720	US-10-105-637-4	Sequence 4, App1
21	21	67.7	611	US-10-027-632-201917	Sequence 201917, A
22	21	67.7	611	US-10-027-632-201918	Sequence 201918, A
23	21	67.7	611	US-10-027-632-201917	Sequence 201917, A
24	21	67.7	611	US-10-027-632-201918	Sequence 201918, A
25	20.6	66.5	2043	US-10-047-1587	Sequence 1587, App
26	20.6	66.5	2043	US-10-159-563-86	Sequence 86, App1
27	20.6	66.5	2043	US-10-133-937-86	Sequence 86, App1
28	20.6	66.5	3084	US-10-341-434-138	Sequence 138, App
29	20.6	66.5	9662	US-09-764-891-9774	Sequence 9774, App
30	20.6	66.5	17705	US-09-764-891-9773	Sequence 9773, App
31	20.4	65.8	186510	US-10-043-715-1	Sequence 1, App1
32	19.8	63.9	570	US-10-029-386-3175	Sequence 3175, App
33	19.8	63.9	1350	US-09-784-911-7	Sequence 7, App1
34	19.8	63.9	1353	US-09-784-911-9	Sequence 9, App1
35	19.8	63.9	1362	US-09-784-911-3	Sequence 3, App1
36	19.8	63.9	2923	US-10-375-150-7	Sequence 7, App1
37	19.8	63.9	2923	US-10-101-510-7	Sequence 7, App1
38	19.8	63.9	5021	US-10-133-013-126	Sequence 126, App
39	19.8	63.9	5801	US-10-291-265-580	Sequence 580, App
40	19.8	63.9	5804	US-10-101-510-509	Sequence 509, App
41	19.8	63.9	31169	US-09-764-875-1217	Sequence 1217, App
42	19.6	63.2	457	US-09-918-995-1464	Sequence 1464, A
43	19.6	63.2	167343	US-09-962-436-281	Sequence 281, App
44	19.6	63.2	167343	US-09-964-824A-273	Sequence 273, App
45	19.4	62.6	668	US-10-027-632-196735	Sequence 196735, A

# ALIGNMENTS

RESULT 1

US-10-242-535A-56066

Sequence 56066, Application US/10242535A

Publication No. US20040013663A1

GENERAL INFORMATION:

APPLICANT: ChondroGene Inc.

APPLICANT: Liew, C.C.

TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis

FILE REFERENCE: 4231/2005

CURRENT APPLICATION NUMBER: US/10/242,535A

PRIOR FILING DATE: 2002-09-12

PRIOR APPLICATION NUMBER: US 10/085,783

PRIOR FILING DATE: 2002-02-28

PRIOR APPLICATION NUMBER: US 60/305,340

PRIOR FILING DATE: 2001-07-13

PRIOR APPLICATION NUMBER: US 60/275,017

PRIOR FILING DATE: 2001-03-12

PRIOR APPLICATION NUMBER: US 60/271,955

PRIOR FILING DATE: 2001-02-28

NUMBER OF SEQ ID NOS: 58994

SOFTWARE: PatentIn version 3.2

SEQ ID NO 56066

LENGTH: 391

TYPE: DNA

ORGANISM: Human

FEATURES:

NAME/KEY: misc feature

LOCATION: (343)..(343)

OTHER INFORMATION: n is a, c, g, or t

US-10-242-535A-56066

Query Match

Best Local Similarity 100.0%; Score 31; DB 12; Length 391;

Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1 ATCATGTCTCCCTGCTGCTATCATGCCAAT 31

86 ATCATGTCTCCCTGCTGCTATCATGCCAAT 116

## RESULT 2

US-09-962-436-169/C  
; Sequence 169, Application US/09962436  
; Patent No. US20020081301A1  
; GENERAL INFORMATION:  
; APPLICANT: Soppel, Daniel  
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
; TITLE OF INVENTION: Sets  
; FILE REFERENCE: 689290-75  
; CURRENT APPLICATION NUMBER: US/09/962,436  
; CURRENT FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,082  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/234,924  
; PRIOR FILING DATE: 2000-09-25  
; NUMBER OF SEQ ID NOS: 568  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 169  
; LENGTH: 405  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: n=a,t,g or c  
US-09-962-436-169

Query Match 100.0%; Score 31; DB 9; Length 405;  
Best Local Similarity 100.0%; Pred. No. 0.00049;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31  
Db 384 ATCATGCTCCCTCTGGCTATCATGCCAACT 354

## RESULT 3

US-09-738-630-95  
; Sequence 95, Application US/09738630  
; Publication No. US20030166213A1  
; GENERAL INFORMATION:  
; APPLICANT: Greenepan, Ralph J.  
; APPLICANT: Shaw, Paul J.  
; TITLE OF INVENTION: Methods For Identifying Compounds That  
; TITLE OF INVENTION: Modulate For Identifying Disorders Related To Nitric Oxide/cGMP-Dependent  
; TITLE OF INVENTION: Protein Kinase Signaling  
; FILE REFERENCE: P-NI 3906  
; CURRENT APPLICATION NUMBER: US/09/738,630  
; CURRENT FILING DATE: 2000-12-15  
; NUMBER OF SEQ ID NOS: 105  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 95  
; LENGTH: 425  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(390)  
US-09-738-630-95

Query Match 100.0%; Score 31; DB 13; Length 425;  
Best Local Similarity 100.0%; Pred. No. 0.00049;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31  
Db 127 ATCATGCTCCCTCTGGCTATCATGCCAACT 157

## RESULT 4

US-09-918-995-24537  
; Sequence 24537, Application US/09918995

; Publication No. US20030073623A1

; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc.  
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED  
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES  
; FILE REFERENCE: 20411-756  
; CURRENT APPLICATION NUMBER: US/09/918,995  
; CURRENT FILING DATE: 2001-07-30  
; PRIOR APPLICATION NUMBER: US/09/235,076  
; PRIOR FILING DATE: 1999-01-20  
; NUMBER OF SEQ ID NOS: 38054  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 24537  
; LENGTH: 494  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(494)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-918-995-24537

Query Match 100.0%; Score 31; DB 11; Length 494;  
Best Local Similarity 100.0%; Pred. No. 0.0005;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31  
Db 158 ATCATGCTCCCTCTGGCTATCATGCCAACT 188

## RESULT 5

US-10-084-817-59  
; Sequence 59, Application US/10084817  
; Publication No. US20030119009A1  
; GENERAL INFORMATION:  
; APPLICANT: Susan Stuart  
; APPLICANT: Jed G. Nuchtern  
; APPLICANT: Sharon E. Plon  
; APPLICANT: Jason M. Shohet  
; TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION  
; FILE REFERENCE: PA-0046 US  
; CURRENT APPLICATION NUMBER: US/10/084,817  
; CURRENT FILING DATE: 2002-02-25  
; PRIOR APPLICATION NUMBER: 60/270,784  
; PRIOR FILING DATE: 2001-02-23  
; NUMBER OF SEQ ID NOS: 365  
; SOFTWARE: PERL Program  
; SEQ ID NO 59  
; LENGTH: 1620  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: Incyte ID No. US20030119009A1 3526170CBI  
; NAME/KEY: unsure  
; LOCATION: 120  
; OTHER INFORMATION: a, t, c, g, or other  
US-10-084-817-59

Query Match 100.0%; Score 31; DB 15; Length 1620;  
Best Local Similarity 100.0%; Pred. No. 0.00059;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 ATCATGCTCCCTCTGGCTATCATGCCAACT 31  
Db 1230 ATCATGCTCCCTCTGGCTATCATGCCAACT 1260

## RESULT 6

US-10-295-027-953  
; Sequence 953, Application US/10295027  
; Publication No. US20030232350A1

GENERAL INFORMATION:  
APPLICANT: Afiz, Daniel  
APPLICANT: Gineberg, Wendy M.  
APPLICANT: Gish, Kurt C.  
APPLICANT: Glynn, Richard  
APPLICANT: Hevezl, Peter A.  
APPLICANT: Mack, David H.  
APPLICANT: Murray, Richard  
APPLICANT: Watson, Susan R.  
APPLICANT: Eos Biotechnology, Inc.  
TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and  
TITLE OF INVENTION: Methods of Screening for Modulators of Cancer  
FILE REFERENCE: 018501-012500US  
CURRENT APPLICATION NUMBER: US/10/295,027  
CURRENT FILING DATE: 2002-11-13  
PRIOR APPLICATION NUMBER: US 09/663,733  
PRIOR FILING DATE: 2000-09-15  
PRIOR APPLICATION NUMBER: US 60/350,666  
PRIOR FILING DATE: 2001-11-13  
PRIOR APPLICATION NUMBER: US 60/335,394  
PRIOR FILING DATE: 2001-11-15  
PRIOR APPLICATION NUMBER: US 60/332,464  
PRIOR FILING DATE: 2001-11-21  
PRIOR APPLICATION NUMBER: US 60/334,393  
PRIOR FILING DATE: 2001-11-29  
PRIOR APPLICATION NUMBER: US 60/340,376  
PRIOR FILING DATE: 2001-12-14  
PRIOR APPLICATION NUMBER: US 60/347,211  
PRIOR FILING DATE: 2002-01-08  
PRIOR APPLICATION NUMBER: US 60/347,349  
PRIOR FILING DATE: 2002-01-10  
PRIOR APPLICATION NUMBER: US 60/355,250  
PRIOR FILING DATE: 2002-02-08  
PRIOR APPLICATION NUMBER: US 60/356,714  
PRIOR FILING DATE: 2002-02-13  
Remaining Prior Application data removed - See File Wrapper or PALM.  
NUMBER OF SEQ ID NOS: 1386  
SOFTWARE: Patentin Ver. 2.1  
SEQ ID NO 953  
LENGTH: 1840  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-295-027-953

Query Match 100.0%; Score 31; DB 12; Length 1840;  
Best Local Similarity 100.0%; Pred. No. 0.0006;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGGCTATCATGCCCACT 31  
Db 1100 ATCATGTGCTCCCTGGCTATCATGCCCACT 1130

RESULT 7  
US-10-305-720-1200  
Sequence 1200, Application US/10305720  
Publication No. US20040010136A1  
GENERAL INFORMATION:  
APPLICANT: Au-Yang, Janice K.; Selthamer, Jeffrey J.  
TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expressio  
FILE REFERENCE: PA-0002-1 CON  
CURRENT APPLICATION NUMBER: US/10/305,720  
CURRENT FILING DATE: 2002-11-26  
PRIOR APPLICATION NUMBER: 09/016,434  
PRIOR FILING DATE: 1998-01-30  
NUMBER OF SEQ ID NOS: 1490  
SOFTWARE: PERL Program  
SEQ ID NO 1200  
LENGTH: 1840  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:

NAME/KEY: misc feature  
OTHER INFORMATION: Genbank ID No. US20040010136A1 g181946  
US-10-305-720-1200

Query Match 100.0%; Score 31; DB 12; Length 1840;  
Best Local Similarity 100.0%; Pred. No. 0.0006;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGGCTATCATGCCCACT 31  
Db 1100 ATCATGTGCTCCCTGGCTATCATGCCCACT 1130

RESULT 8  
US-10-241-220-15  
Sequence 15, Application US/10241220  
Publication No. US20030148408A1  
GENERAL INFORMATION:  
APPLICANT: Frantz, Gretchen  
APPLICANT: Hillan, Kenneth J.  
APPLICANT: Phillips, Heidi  
APPLICANT: Polakis, Paul  
APPLICANT: Spencer, Susan  
APPLICANT: Williams, P. Mickey  
APPLICANT: Wu, Thomas  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND  
TITLE OF INVENTION: TREATMENT OF TUMOR  
FILE REFERENCE: P5010R1-US  
CURRENT APPLICATION NUMBER: US/10/241,220  
CURRENT FILING DATE: 2002-12-13  
NUMBER OF SEQ ID NOS: 120  
SEQ ID NO 15  
LENGTH: 1840  
TYPE: DNA  
ORGANISM: Homo Sapien  
US-10-241-220-15

Query Match 100.0%; Score 31; DB 13; Length 1840;  
Best Local Similarity 100.0%; Pred. No. 0.0006;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGGCTATCATGCCCACT 31  
Db 1100 ATCATGTGCTCCCTGGCTATCATGCCCACT 1130

RESULT 9  
US-10-301-822-88  
Sequence 88, Application US/10301822  
Publication No. US20030148410A1  
GENERAL INFORMATION:  
APPLICANT: Millennium Pharmaceuticals, Inc.  
APPLICANT: Berger, Allison  
APPLICANT: Guillemette, Tracy L.  
APPLICANT: Kamatkar, Shubhangi  
APPLICANT: Schlegel, Robert  
APPLICANT: Monahan, John E.  
APPLICANT: Thibodeau, Stephen N.  
APPLICANT: Burgart, Lawrence J.  
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND  
TITLE OF INVENTION: METHODS FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
FILE REFERENCE: MP001-029P2RNM  
CURRENT APPLICATION NUMBER: US/10/301,822  
CURRENT FILING DATE: 2002-11-21  
PRIOR APPLICATION NUMBER: US 60/339,971  
PRIOR FILING DATE: 2001-12-10  
PRIOR APPLICATION NUMBER: US 60/361,978  
PRIOR FILING DATE: 2002-03-05  
PRIOR APPLICATION NUMBER: US 60/381,988  
PRIOR FILING DATE: 2002-05-20  
NUMBER OF SEQ ID NOS: 228

SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 88  
LENGTH: 1840  
TYPE: DNA  
ORGANISM: Homo Sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (86) ... (1366)  
US-10-301-822-88

Query Match 100.0%; Score 31; DB 13; Length 1840;  
Best Local Similarity 100.0%; Pred. No. 0.0006;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATCATGCTCCCTCTGGCTATCATGCCACT 31  
Db 1100 ATCATGCTCCCTCTGGCTATCATGCCACT 1130

RESULT 10  
US-10-171-311-94

Sequence 94, Application US/10171311  
Publication No. US20030087270A1  
GENERAL INFORMATION:  
APPLICANT: Schlegel, Robert  
APPLICANT: Chen, Yan  
APPLICANT: Zhao, Xumei  
APPLICANT: Monahan, John  
APPLICANT: Kamatkar, Shubhangi  
APPLICANT: Glatt, Karen  
APPLICANT: Gannavarapu, Manjula  
APPLICANT: Hoerish, Sebastian  
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR  
TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY  
TITLE OF INVENTION: OF CERVICAL CANCER  
FILE REFERENCE: MRI-035  
CURRENT APPLICATION NUMBER: US/10/171,311  
CURRENT FILING DATE: 2002-06-12  
PRIOR APPLICATION NUMBER: US 60/298,159  
PRIOR FILING DATE: 2001-06-13  
PRIOR APPLICATION NUMBER: US 60/298,155  
PRIOR FILING DATE: 2001-06-13  
PRIOR APPLICATION NUMBER: US 60/335,936  
PRIOR FILING DATE: 2001-11-14  
NUMBER OF SEQ ID NOS: 238  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 94  
LENGTH: 1840  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-171-311-94

Query Match 100.0%; Score 31; DB 15; Length 1840;  
Best Local Similarity 100.0%; Pred. No. 0.0006;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATCATGCTCCCTCTGGCTATCATGCCACT 31  
Db 1100 ATCATGCTCCCTCTGGCTATCATGCCACT 1130

RESULT 11  
US-10-177-293-231

Sequence 231, Application US/10177293  
Publication No. US20030124128A1  
GENERAL INFORMATION:  
APPLICANT: Lillie, James  
APPLICANT: Glatt, Karen  
APPLICANT: Zhao, Xumei  
APPLICANT: Gannavarapu, Manjula  
APPLICANT: Kamatkar, Shubhangi  
APPLICANT: Mertens, Maureen  
APPLICANT: Myer, Vic

APPLICANT: Wang, Youzhen  
APPLICANT: Xu, Yongyao  
APPLICANT: Hoerich, Sebastian  
APPLICANT: Monahan, John  
APPLICANT: Meyers, Rachel E.  
APPLICANT: Bast Jr., Robert C.  
APPLICANT: Hortobagyi, Gabriel N.  
APPLICANT: Pusztai, Lajos  
APPLICANT: Meric, Funda  
APPLICANT: Sahin, Aysegül  
APPLICANT: Mills, Gordon B.  
TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,  
TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER  
FILE REFERENCE: MRI-038  
CURRENT APPLICATION NUMBER: US/10/177,293  
CURRENT FILING DATE: 2002-06-21  
PRIOR APPLICATION NUMBER: US 60/299,887  
PRIOR FILING DATE: 2001-06-21  
PRIOR APPLICATION NUMBER: US 60/301,572  
PRIOR FILING DATE: 2001-06-27  
PRIOR APPLICATION NUMBER: US 60/306,501  
PRIOR FILING DATE: 2001-07-18  
PRIOR APPLICATION NUMBER: US 60/325,002  
PRIOR FILING DATE: 2001-09-25  
PRIOR APPLICATION NUMBER: US 60/362,585  
PRIOR FILING DATE: 2002-03-05  
PRIOR APPLICATION NUMBER: US 60/xxx,xxx  
PRIOR FILING DATE: 2002-05-14  
NUMBER OF SEQ ID NOS: 506  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 231  
LENGTH: 1840  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-177-293-231

Query Match 100.0%; Score 31; DB 15; Length 1840;  
Best Local Similarity 100.0%; Pred. No. 0.0006;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 ATCATGCTCCCTCTGGCTATCATGCCACT 31  
Db 1100 ATCATGCTCCCTCTGGCTATCATGCCACT 1130

RESULT 12  
US-10-198-846-13039

Sequence 13039, Application US/10198846  
Publication No. US2003009974A1  
GENERAL INFORMATION:  
APPLICANT: Lillie, James  
APPLICANT: Xu, Yongyao  
APPLICANT: Wang, Youzhen  
APPLICANT: Steilmann, Kathleen  
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS  
TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND  
TITLE OF INVENTION: THERAPY OF BREAST CANCER  
FILE REFERENCE: MRI-049  
CURRENT APPLICATION NUMBER: US/10/198,846  
CURRENT FILING DATE: 2002-07-18  
PRIOR APPLICATION NUMBER: 60/306,220  
PRIOR FILING DATE: 2001-07-18  
NUMBER OF SEQ ID NOS: 14084  
SOFTWARE: FastSeq for Windows Version 4.0  
SEQ ID NO 13039  
LENGTH: 2462  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: mbc\_feature  
LOCATION: 1, 2, 2460, 2461, 2462  
OTHER INFORMATION: n = A,T,C or G  
US-10-198-846-13039

Query Match 100.0%; Score 31; DB 15; Length 2462;  
Best Local Similarity 100.0%; Pred. No. 0.00066;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCTCTGGCTATCATGCCAACT 31  
Db 1296 ATCATGTGCTCCTCTGGCTATCATGCCAACT 1326

RESULT 13  
US-09-962-436-295  
; Sequence 295, Application US/09962436  
; Patent No. US20020081301A1  
; GENERAL INFORMATION:  
; APPLICANT: Soppet, Daniel  
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu

; FILE REFERENCE: 689290-75  
; CURRENT APPLICATION NUMBER: US/09/962,436  
; PRIOR FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,082  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/234,924  
; NUMBER OF SEQ ID NOS: 568  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 295  
; LENGTH: 4068  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-962-436-295

Query Match 100.0%; Score 31; DB 9; Length 4068;  
Best Local Similarity 100.0%; Pred. No. 0.00066;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCTCTGGCTATCATGCCAACT 31  
Db 1093 ATCATGTGCTCCTCTGGCTATCATGCCAACT 1123

RESULT 14  
US-09-954-531-182  
; Sequence 182, Application US/09954531  
; Patent No. US20020165180A1  
; GENERAL INFORMATION:  
; APPLICANT: Weaver, Zoe  
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc

; FILE REFERENCE: 689290-77  
; CURRENT APPLICATION NUMBER: US/09/954,531  
; PRIOR FILING DATE: 2002-05-02  
; PRIOR APPLICATION NUMBER: US/60/233,133  
; PRIOR FILING DATE: 2000-09-18  
; PRIOR APPLICATION NUMBER: US/60/234,009  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,034  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,509  
; PRIOR FILING DATE: 2000-09-22  
; PRIOR APPLICATION NUMBER: US/60/234,567  
; PRIOR FILING DATE: 2000-09-22  
; NUMBER OF SEQ ID NOS: 1392  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 182  
; LENGTH: 4068  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-954-531-182

Query Match 100.0%; Score 31; DB 10; Length 4068;  
Best Local Similarity 100.0%; Pred. No. 0.00066;

Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCTCTGGCTATCATGCCAACT 31  
Db 1093 ATCATGTGCTCCTCTGGCTATCATGCCAACT 1123

RESULT 15  
US-09-954-531-387  
; Sequence 387, Application US/09954531  
; Patent No. US20020165180A1  
; GENERAL INFORMATION:  
; APPLICANT: Weaver, Zoe  
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc  
; FILE REFERENCE: 689290-77  
; CURRENT APPLICATION NUMBER: US/09/954,531  
; PRIOR FILING DATE: 2002-05-02  
; PRIOR APPLICATION NUMBER: US/60/233,133  
; PRIOR FILING DATE: 2000-09-18  
; PRIOR APPLICATION NUMBER: US/60/234,009  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,034  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,509  
; PRIOR FILING DATE: 2000-09-22  
; PRIOR APPLICATION NUMBER: US/60/234,567  
; PRIOR FILING DATE: 2000-09-22  
; NUMBER OF SEQ ID NOS: 1392  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 387  
; LENGTH: 4068  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-954-531-387

Query Match 100.0%; Score 31; DB 10; Length 4068;  
Best Local Similarity 100.0%; Pred. No. 0.00066;  
Matches 31; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCTCTGGCTATCATGCCAACT 31  
Db 1093 ATCATGTGCTCCTCTGGCTATCATGCCAACT 1123

Search completed: February 3, 2004, 23:51:22  
Job time : 113.023 secs

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OM nucleic - nucleic search, using SW model

Run on: February 3, 2004, 15:48:45 / Search time 24.186 Seconds  
(without alignments)  
547.485 Million cell updates/sec

Title: US-09-913-524-35

Perfect score: 30

Sequence: 1 atcattgcctccctcgttaccatgcacac 30

Scoring table: IDENTITY\_NUC

Gapop 10.0, Gapext 1.0

Searched: 569978 seqs, 220691566 residues 1139956

Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	28.4	94.7	1633	1 US-08-197-792-42	Sequence 42, Appl
2	28.4	94.7	1633	1 US-08-459-850-42	Sequence 42, Appl
3	28.4	94.7	1633	1 US-08-459-214-42	Sequence 42, Appl
4	28.4	94.7	1840	4 US-09-016-434-1200	Sequence 1200, Ap
5	20.4	68.0	3588	1 US-08-197-792-32	Sequence 32, Appl
6	20.4	68.0	3588	1 US-08-459-850-32	Sequence 32, Appl
7	20.4	68.0	3588	1 US-08-459-214-32	Sequence 32, Appl
8	19.4	64.7	1667	1 US-08-455-550-1	Sequence 1, Appl
9	18.8	62.7	1628	3 US-09-147-522-3	Sequence 3, Appl
10	18.8	62.7	5000	3 US-09-147-522-5	Sequence 5, Appl
11	18.4	61.3	1664976	4 US-08-916-421B-1	Sequence 1, Appl
12	17.8	59.3	328	1 US-08-455-550-5	Sequence 5, Appl
13	17.8	59.3	400	1 US-07-764-731B-5	Sequence 5, Appl
14	17.8	59.3	406	1 US-08-163-877-7	Sequence 7, Appl
15	17.8	59.3	406	1 US-08-360-914B-7	Sequence 7, Appl
16	17.8	59.3	406	1 US-08-741-589A-7	Sequence 7, Appl
17	17.8	59.3	406	5 PCT-US94-13181-7	Sequence 7, Appl
18	17.8	59.3	497	4 US-08-868-452-43	Sequence 43, Appl
19	17.8	59.3	1442	1 US-08-247-908A-1	Sequence 1, Appl
20	17.8	59.3	1442	1 US-08-453-942-1	Sequence 1, Appl
21	17.8	59.3	1442	2 US-08-926-885A-1	Sequence 1, Appl
22	17.8	59.3	1442	5 PCT-US94-05290-1	Sequence 1, Appl
23	17.8	59.3	1497	3 US-09-232-468A-23	Sequence 23, Appl
24	17.8	59.3	1997	4 US-09-784-984B-18	Sequence 18, Appl
25	17.8	59.3	2923	2 US-08-377-292-6	Sequence 6, Appl
26	17.8	59.3	2923	2 US-07-989-847-7	Sequence 7, Appl
27	17.8	59.3	2923	3 US-08-469-411-7	Sequence 7, Appl

28	17.8	59.3	2923	6	5187076-5	Patent No. 5187076
29	17.8	59.3	12687	1	US-08-676-169-1	Sequence 1, Appl
30	17.8	59.3	12687	1	US-08-981-459-1	Sequence 1, Appl
31	17.8	59.3	12687	4	US-09-063-431A-1	Sequence 1, Appl
32	17.6	58.7	507	4	US-09-641-638-48	Sequence 48, Appl
33	17.4	58.0	276	3	US-09-206-903A-3	Sequence 3, Appl
34	17.4	58.0	276	3	US-09-206-936-20	Sequence 10, Appl
35	17.4	58.0	276	3	US-09-202-122-3	Sequence 3, Appl
36	17.4	58.0	276	3	US-09-202-122-10	Sequence 10, Appl
37	17.4	58.0	276	3	US-09-206-935-20	Sequence 20, Appl
38	17.4	58.0	276	3	US-09-206-935-21	Sequence 21, Appl
39	17.4	58.0	276	4	US-09-206-936-20	Sequence 20, Appl
40	17.4	58.0	276	4	US-09-206-936-21	Sequence 21, Appl
41	17.4	58.0	276	4	US-09-919-622A-3	Sequence 3, Appl
42	17.4	58.0	276	4	US-09-919-622A-10	Sequence 10, Appl
43	17.4	58.0	459	5	PCT-US93-01676A-7	Sequence 7, Appl
44	17.4	58.0	459	5	PCT-US93-01676A-8	Sequence 8, Appl
45	17.4	58.0	592	3	US-07-721-847A-1	Sequence 1, Appl

## ALIGNMENTS-

RESULT 1  
US-08-197-792-42  
Sequence 42, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSER: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08197, 792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1633 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-42

Query Match 94.7%; Score 28.4; DB 1; Length 1633;  
Best Local Similarity 96.7%; Pred. No. 0.0011;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Or 1 ATCATGCTCCCTCGTATATCATGCCAAC 30  
Db 1251 ATCATGCTCCCTCGTATATCATGCCAAC 1280

## RESULT 2

US-08-459-850-42  
Sequence 42, Application US/08459850  
Patent No. 5665568

## GENERAL INFORMATION:

APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

## COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459, 850  
FILING DATE: 02-JUN-1995

## CLASSIFICATION: 435

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.

REGISTRATION NUMBER: 28, 616

REFERENCE/DOCKET NUMBER: 297P2D5

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1633 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-42

Query Match 94.7%; Score 28.4; DB 1; Length 1633;  
Best Local Similarity 96.7%; Pred. No. 0.0011;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Or 1 ATCATGCTCCCTCGTATATCATGCCAAC 30  
Db 1251 ATCATGCTCCCTCGTATATCATGCCAAC 1280

## RESULT 3

US-08-459-214-42  
Sequence 42, Application US/08459214  
Patent No. 5716810

## GENERAL INFORMATION:

APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080

## COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)

## CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/459, 214  
FILING DATE: 02-JUN-1995

## CLASSIFICATION: 435

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994

## PRIOR APPLICATION DATA:

APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985

ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.

REGISTRATION NUMBER: 28, 616

REFERENCE/DOCKET NUMBER: 297P2D6

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896

TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 42:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1633 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-42

Query Match 94.7%; Score 28.4; DB 1; Length 1633;  
Best Local Similarity 96.7%; Pred. No. 0.0011;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGCTGTTATCATGCCAAC 30  
Db 1251 ATCATGCTCCCTGCTGCTATCATGCCAAC 1280

RESULT 4  
US-09-016-434-1200  
Sequence 1200, Application US/09016434  
Patent No. 6500938  
GENERAL INFORMATION:  
APPLICANT: Janice Au-Young  
APPLICANT: Jeffrey J. Seilhamer  
TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
NUMBER OF SEQUENCES: 1490  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
STREET: 3174 PORTER DRIVE  
CITY: PALO ALTO  
STATE: CALIFORNIA  
COUNTRY: USA  
ZIP: 94304  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/016,434  
FILING DATE: HERewith  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER:  
FILING DATE:  
CLASSIFICATION:  
ATTORNEY/AGENT INFORMATION:  
NAME: Zeller, Karen J.  
REGISTRATION NUMBER: 37,071  
REFERENCE/DOCKET NUMBER: PA-0002 US  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (650) 855-0555  
TELEFAX: (650) 845-4166  
INFORMATION FOR SEQ ID NO: 1200:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1840 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
IMMEDIATE SOURCE:  
LIBRARY: GENBANK  
CLONE: g181946  
US-09-016-434-1200

Query Match 94.7%; Score 28.4; DB 4; Length 1840;  
Best Local Similarity 96.7%; Pred. No. 0.0011;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGCTGTTATCATGCCAAC 30  
Db 1100 ATCATGCTCCCTGCTGCTATCATGCCAAC 1129

RESULT 5  
US-08-197-792-32  
Sequence 32, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3588 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-197-792-32

Query Match 68.0%; Score 20.4; DB 1; Length 3588;  
Best Local Similarity 80.0%; Pred. No. 5;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGCTGTTATCATGCCAAC 30  
Db 1042 ATCATGCTCCCTGCTGCTATCATGCCAAC 1071

RESULT 6  
US-08-459-850-32  
Sequence 32, Application US/08459850

Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3588 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-850-32

Query Match 68.0%; Score 20.4; DB 1; Length 3588;  
Best Local Similarity 80.0%; Pred. No. 5;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCGTGTATCATGCCAAC 30  
|||||  
Db 1042 ATCATGCTCCCTCGGCTACACGCCAAC 1071

RESULT 7  
US-08-459-214-32  
Sequence 32, Application US/08459214

Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
TITLE OF INVENTION: Using such Nucleic Acid  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 32:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 3588 bases  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
US-08-459-214-32

Query Match 68.0%; Score 20.4; DB 1; Length 3588;  
Best Local Similarity 80.0%; Pred. No. 5;  
Matches 24; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCGTGTATCATGCCAAC 30  
|||||  
Db 1042 ATCATGCTCCCTCGGCTACACGCCAAC 1071

RESULT 8  
US-08-455-550-1  
Sequence 1, Application US/08455550

Patent No. 5670338  
GENERAL INFORMATION:  
APPLICANT: MURAKAMI, KAZUO  
APPLICANT: UENO, NAOTO  
APPLICANT: KATO, YUKIO  
TITLE OF INVENTION: XENOPUS LAEVIS BONE MORPHOGENETIC PROTEINS AND USE THE.  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dike, Bronstein, Roberts & Cushman  
STREET: 130 Water Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/455,550  
FILING DATE: 31-MAY-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/056,564  
FILING DATE: 30-APR-1993  
APPLICATION NUMBER: 07/577,892  
FILING DATE: 05-SEP-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Eisenstein, Ronald I  
REGISTRATION NUMBER: 30628  
REFERENCE/DOCKET NUMBER: 40302-FWC-DIV  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-523-3400  
TELEFAX: 617-523-6440  
TELEX: 200291  
INFORMATION FOR SEQ ID NO: 1:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1667 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: CDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE:  
ORIGINAL SOURCE:  
US-08-455-550-1

Query Match 64.7%; Score 19.4; DB 1; Length 1667;  
Best Local Similarity 79.3%; Pred. No. 12;  
Matches 23; Conservative 0; Mismatches 6; Indels 0; Gaps 0;  
QY 1 ATCATGCTCCCTCTGTTATCATGCCAA 29  
DB 777 ATCATAGCACCTCTGCTACCATGCCAA 805  
RESULT 9  
US-09-147-522-3/c  
Sequence 3, Application US/09147522  
Patent No. 6107069  
GENERAL INFORMATION:  
APPLICANT: MAGAGNIN, SIMONA  
APPLICANT: BENATTI, LUCA  
APPLICANT: CINI, MASSIMO  
APPLICANT: SPECIALE, CARMELA  
APPLICANT: COVINI, NEVIE  
TITLE OF INVENTION: RECOMBINANT KYNURENINE-3-HYDROXYLASE ENZYME AND  
TITLE OF INVENTION: PROCESS FOR ITS PREPARATION  
FILE REFERENCE: 0769-0408-0PCT  
CURRENT APPLICATION NUMBER: US/09/147,522  
CURRENT FILING DATE: 1999-01-14

EARLIER APPLICATION NUMBER: PCT/EP7/03589  
EARLIER FILING DATE: 1997-07-03  
NUMBER OF SEQ ID NOS: 9  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 3  
LENGTH: 1628  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (34)..(1494)  
US-09-147-522-3

Query Match 62.7%; Score 18.8; DB 3; Length 1628;  
Best Local Similarity 76.7%; Pred. No. 22;  
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGTTATCATGCCAAC 30  
DB 470 ATCATCTCTCTCTGATTACATTTCAC 441

RESULT 10  
US-09-147-522-5/c  
Sequence 5, Application US/09147522  
Patent No. 6107069  
GENERAL INFORMATION:  
APPLICANT: MAGAGNIN, SIMONA  
APPLICANT: BENATTI, LUCA  
APPLICANT: CINI, MASSIMO  
APPLICANT: SPECIALE, CARMELA  
APPLICANT: COVINI, NEVIE  
TITLE OF INVENTION: RECOMBINANT KYNURENINE-3-HYDROXYLASE ENZYME AND  
TITLE OF INVENTION: PROCESS FOR ITS PREPARATION  
FILE REFERENCE: 0769-0408-0PCT  
CURRENT APPLICATION NUMBER: US/09/147,522  
CURRENT FILING DATE: 1999-01-14  
EARLIER APPLICATION NUMBER: PCT/EP7/03589  
EARLIER FILING DATE: 1997-07-03  
NUMBER OF SEQ ID NOS: 9  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 5  
LENGTH: 5000  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (47)..(1507)  
US-09-147-522-5

Query Match 62.7%; Score 18.8; DB 3; Length 5000;  
Best Local Similarity 76.7%; Pred. No. 28;  
Matches 23; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATGCTCCCTCTGTTATCATGCCAAC 30  
DB 483 ATCATCTCTCTCTGATTACATTTCAC 454

RESULT 11  
US-08-916-421B-1  
Sequence 1, Application US/08916421B  
Patent No. 6503729  
GENERAL INFORMATION:  
APPLICANT: Bull et al.  
TITLE OF INVENTION: Complete Genome Sequence of the Methanogenic Archaeon, Methanococ  
Patent No. 6503729  
TITLE OF INVENTION: Janaschii  
FILE REFERENCE: PB275  
CURRENT APPLICATION NUMBER: US/08/916,421B  
CURRENT FILING DATE: 1997-08-22  
PRIOR APPLICATION NUMBER: US 60/024,428  
PRIOR FILING DATE: 1996-08-22

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NUMBER OF SEQ ID NOS: 3
SOFTWARE: PatentIn version 3.1
SEQ ID NO 1
LENGTH: 1664976
TYPE: DNA
ORGANISM: Methanococcus jannaschii
FEATURE:
NAME/KEY: misc_feature
LOCATION: (28222)..(28222)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (28257)..(28258)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84773)..(84773)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84808)..(84808)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (84812)..(84812)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98120)..(98120)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98159)..(98159)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98239)..(98239)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (98343)..(98343)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (103998)..(103998)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (148948)..(148948)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (163385)..(163385)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191989)..(191989)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (191995)..(191995)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (231980)..(231980)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234187)..(234187)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234220)..(234220)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (234814)..(234814)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309398)..(309398)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (309418)..(309418)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (312837)..(312837)
OTHER INFORMATION: n equals a, t, c, or g
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NAME/KEY: misc_feature
LOCATION: (312993)..(312993)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (319226)..(319226)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559167)..(559167)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (559241)..(559241)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (600992)..(600992)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (622708)..(622708)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657081)..(657081)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (657203)..(657203)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (674435)..(674435)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (682442)..(682442)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (713652)..(713652)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (741684)..(741684)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779455)..(779455)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (779676)..(779676)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (855539)..(855539)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (871619)..(871619)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1084830)..(1084830)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1096846)..(1096846)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1119881)..(1119881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1130881)..(1130881)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1310988)..(1310988)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349473)..(1349473)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
LOCATION: (1349491)..(1349491)
OTHER INFORMATION: n equals a, t, c, or g
NAME/KEY: misc_feature
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LOCATION: (1470091)..(1470091)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1569020)..(1569020)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1602912)..(1602912)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1603734)..(1603734)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1637998)..(1637998)  
OTHER INFORMATION: n equals a, t, c, or g  
NAME/KEY: misc feature  
LOCATION: (1664854)..(1664855)  
OTHER INFORMATION: n equals a, t, c, or g  
US-08-916-421B-1

Query Match 61.3%; Score 18.4; DB 4; Length 1664976;  
Best Local Similarity 78.6%; Pred. No. 1.1e+02;  
Matches 22; Conservative 0; Mismatches 6; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGTTATCATGCCA 28  
Db 61675 ATCATGCTCCCTGTTATCATGCCA 61702

RESULT 12  
US-08-455-550-5  
Sequence 5, Application US/08455550  
Patent No. 5670338  
GENERAL INFORMATION:  
APPLICANT: MURAYMI, KAZUO  
APPLICANT: UENO, MAOTO  
APPLICANT: KATO, YUKIO  
TITLE OF INVENTION: XENOPUS LAEVIS BONE MORPHOGENETIC PROTEINS AND USE THE  
NUMBER OF SEQUENCES: 22  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Dike, Bronstein, Roberts & Cushman  
STREET: 130 Water Street  
CITY: Boston  
STATE: MA  
COUNTRY: USA  
ZIP: 02109  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
OPERATING SYSTEM: DOS  
SOFTWARE: FASTSEQ Version 1.5  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/455,550  
CLASSIFICATION: 514  
FILING DATE: 31-MAY-1995  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/056,564  
FILING DATE: 30-APR-1993  
APPLICATION NUMBER: 07/577,892  
FILING DATE: 05-SEP-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Eisenstein, Ronald I  
REGISTRATION NUMBER: 30628  
REFERENCE/DOCKET NUMBER: 40302-FWC-DIV  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-523-3400  
TELEFAX: 617-523-6440  
TELEX: 200291  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 328 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear

MOLECULE TYPE: cDNA  
HYPOTHETICAL: NO  
ANTI-SENSE: NO  
FRAGMENT TYPE:  
ORIGINAL SOURCE:  
US-08-455-550-5

Query Match 59.3%; Score 17.8; DB 1; Length 328;  
Best Local Similarity 75.9%; Pred. No. 45;  
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 ATCATGCTCCCTGTTATCATGCCA 29  
Db 263 ATTATGCTCCCTGTTATCATGCCA 291

RESULT 13  
US-07-764-731B-5  
Sequence 5, Application US/07764731B  
Patent No. 5366875  
GENERAL INFORMATION:  
APPLICANT: Rosen, Vicki A.  
APPLICANT: Wang, Elizabeth A.  
APPLICANT: Mooney, John M.  
TITLE OF INVENTION: Methods for Producing BMP-7 Proteins  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Legal Affairs, Genetics Institute, Inc.  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: MA  
COUNTRY: USA  
ZIP: 02140  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
OPERATING SYSTEM: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patent Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/07/764,731B  
FILING DATE: 19910924  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Kaplan, Ellen J.  
REGISTRATION NUMBER: 32,245  
REFERENCE/DOCKET NUMBER: G15159B  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-876-1170  
TELEFAX: 617-876-5851  
INFORMATION FOR SEQ ID NO: 5:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 400 base pairs  
TYPE: NUCLEIC ACID  
STRANDEDNESS: double  
TOPOLOGY: circular  
MOLECULE TYPE: cDNA to mRNA  
HYPOTHETICAL: NO  
FRAGMENT TYPE: C-terminal  
ORIGINAL SOURCE:  
ORGANISM: Homo sapiens  
CELL LINE: U2-OS Osteosarcoma  
IMMEDIATE SOURCE:  
LIBRARY: U2-OS human osteosarcoma cDNA library  
CLONE: U2-7  
POSITION IN GENOME:  
UNITS: bp  
FEATURES:  
NAME/KEY: CDS  
LOCATION: 1..399  
FEATURE:  
NAME/KEY: mat\_peptide  
LOCATION: 1..400  
FEATURE:

NAME/KEY: mRNA  
LOCATION: 1..400  
US-07-764-731B-5

Query Match  
Best Local Similarity 59.3%; Score 17.8; DB 1; Length 400;  
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATTTGCTCCCTCTGTTATCATGCCAA 29  
|||||  
Db 145 ATCATTTGACCCCAAGGCTATGCTGCCAA 173

RESULT 14  
US-08-163-877-7  
Sequence 7, Application US/08163877  
Patent No. 5399677  
GENERAL INFORMATION:

APPLICANT: McCoy, John  
APPLICANT: Murray, Beth  
APPLICANT: Wolfman, Neil  
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS  
NUMBER OF SEQUENCES: 10  
CORRESPONDENCE ADDRESSES:  
ADDRESSER: Genetics Institute, Inc - Legal Affairs  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/163,877  
FILING DATE:  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Lazar, Steven R.  
REGISTRATION NUMBER: 32,618  
REFERENCE/DOCKET NUMBER: GI 5219  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617 876-1170 x 8260  
TELEFAX: 617 876-5851  
INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:  
LENGTH: 406 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA (genomic)  
ORIGINAL SOURCE:  
ORGANISM: bmp-6  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..396  
US-08-163-877-7

Query Match  
Best Local Similarity 59.3%; Score 17.8; DB 1; Length 406;  
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATTTGCTCCCTCTGTTATCATGCCAA 29  
|||||  
Db 145 ATCATTTGACCCCAAGGCTATGCTGCCAA 173

RESULT 15  
US-08-360-914B-7  
Sequence 7, Application US/08360914B  
Patent No. 5756308

GENERAL INFORMATION:  
APPLICANT: Neil M. WOLFMAN and John MCCOY  
TITLE OF INVENTION: MUTANTS OF BONE MORPHOGENIC PROTEINS  
NUMBER OF SEQUENCES: 15  
CORRESPONDENCE ADDRESSES:  
ADDRESSER: Genetics Institute, Inc - Legal Affairs  
STREET: 87 Cambridgepark Drive  
CITY: Cambridge  
STATE: Massachusetts  
COUNTRY: USA  
ZIP: 02140

COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/360,914B  
FILING DATE:  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/163,877  
FILING DATE: December 7, 1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Lazar, Steven R.  
REGISTRATION NUMBER: 32,618  
REFERENCE/DOCKET NUMBER: GI 5219B  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617 498-8260  
TELEFAX: 617 876-5851  
INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:  
LENGTH: 406 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: double  
TOPOLOGY: linear  
MOLECULE TYPE: DNA  
ORIGINAL SOURCE:  
ORGANISM: bmp-6  
FEATURE:  
NAME/KEY: CDS  
LOCATION: 1..396  
US-08-360-914B-7

Query Match  
Best Local Similarity 59.3%; Score 17.8; DB 1; Length 406;  
Matches 22; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 1 ATCATTTGCTCCCTCTGTTATCATGCCAA 29  
|||||  
Db 145 ATCATTTGACCCCAAGGCTATGCTGCCAA 173

Search completed: February 3, 2004, 21:41:48  
Job time : 26.186 secs



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OM nucleic - nucleic search, using sw model

Run on: February 3, 2004, 21:23:30 ; Search time 107.442 Seconds  
(without alignments)  
1028.547 Million cell updates/sec

Title: US-09-913-524-35  
Perfect score: 30  
Sequence: 1 atcattgctccctcgttcattatgcacac 30

Scoring table: IDENTITY NUC  
Gapop 10.0 , Gapext 1.0

Searched: 2449703 seqs, 1841816367 residues

Total number of hits satisfying chosen parameters: 4899406

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database :

Published Applications\_NA:\*

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- 2: /cgn2\_6/ptodata/2/pubpna/PCR\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/2/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/2/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/2/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/2/pubpna/PCRUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/2/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/2/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*
- 10: /cgn2\_6/ptodata/2/pubpna/US09\_PUBCOMB.seq:\*
- 11: /cgn2\_6/ptodata/2/pubpna/US09C\_PUBCOMB.seq:\*
- 12: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq:\*
- 13: /cgn2\_6/ptodata/2/pubpna/US09\_NEW\_PUB.seq2:\*
- 14: /cgn2\_6/ptodata/2/pubpna/US10\_PUBCOMB.seq:\*
- 15: /cgn2\_6/ptodata/2/pubpna/US10B\_PUBCOMB.seq:\*
- 16: /cgn2\_6/ptodata/2/pubpna/US10\_NEW\_PUB.seq:\*
- 17: /cgn2\_6/ptodata/2/pubpna/US60\_NEW\_PUB.seq:\*
- 18: /cgn2\_6/ptodata/2/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	28.4	94.7	391	US-10-242-535A-56066	Sequence 56066, A
2	28.4	94.7	405	US-09-962-436-169	Sequence 169, App
3	28.4	94.7	425	US-09-738-630-95	Sequence 95, App
4	28.4	94.7	494	US-09-918-995-24537	Sequence 24537, A
5	28.4	94.7	1620	US-10-084-817-59	Sequence 59, App
6	28.4	94.7	1840	US-10-285-027-953	Sequence 93, App
7	28.4	94.7	1840	US-10-305-720-1200	Sequence 1200, App
8	28.4	94.7	1840	US-10-241-220-15	Sequence 15, App
9	28.4	94.7	1840	US-10-301-822-88	Sequence 88, App
10	28.4	94.7	1840	US-10-171-311-94	Sequence 94, App
11	28.4	94.7	1840	US-10-177-293-231	Sequence 231, App
12	28.4	94.7	2462	US-10-198-846-13039	Sequence 13039, A
13	28.4	94.7	4068	US-09-962-436-295	Sequence 295, App
14	28.4	94.7	4068	US-09-954-531-182	Sequence 182, App
15	28.4	94.7	4068	US-09-954-531-387	Sequence 387, App

16	28.4	94.7	6084	US-09-918-624B-3	Sequence 3, App1
17	28.4	94.7	14416	US-09-764-891-8179	Sequence 8179, App
18	25.4	84.7	222	US-10-242-535A-52495	Sequence 52495, A
19	19.6	65.3	63720	US-10-034-650-46	Sequence 46, App1
20	19.6	65.3	63720	US-10-105-637-4	Sequence 4, App1
21	19.4	64.7	611	US-10-027-632-201917	Sequence 201917, A
22	19.4	64.7	611	US-10-027-632-201918	Sequence 201918, A
23	19.4	64.7	611	US-10-027-632-201917	Sequence 201917, A
24	19.4	64.7	611	US-10-027-632-201918	Sequence 201918, A
25	19.4	64.7	1780	US-10-302-267-49	Sequence 49, App1
26	19.4	64.7	1780	US-10-225-067-95	Sequence 95, App1
27	19.4	64.7	1780	US-10-374-780A-241	Sequence 241, App
28	19.4	64.7	1780	US-10-374-780A-241	Sequence 241, App
29	19.4	64.7	1780	US-10-374-780A-241	Sequence 241, App
30	19.4	64.7	1780	US-10-374-780A-241	Sequence 241, App
31	19.4	64.7	1780	US-10-374-780A-241	Sequence 241, App
32	19.4	64.7	1780	US-10-374-780A-241	Sequence 241, App
33	19.4	64.7	1780	US-10-374-780A-241	Sequence 241, App
34	19.4	64.7	1780	US-10-374-780A-241	Sequence 241, App
35	19.4	64.7	1780	US-10-374-780A-241	Sequence 241, App
36	18.8	62.7	186510	US-10-043-715-1	Sequence 1, App1
37	18.8	62.7	186510	US-10-043-715-1	Sequence 1, App1
38	18.8	62.7	186510	US-10-043-715-1	Sequence 1, App1
39	18.6	62.0	815	US-10-027-632-170123	Sequence 170123, A
40	18.6	62.0	815	US-10-027-632-170123	Sequence 170123, A
41	18.6	62.0	843	US-10-027-632-165408	Sequence 165408, A
42	18.6	62.0	843	US-10-027-632-165408	Sequence 165408, A
43	18.4	61.3	372	US-10-242-535A-13387	Sequence 13387, A
44	18.4	61.3	443	US-10-242-535A-52759	Sequence 52759, A
45	18.4	61.3	486	US-09-764-872-225	Sequence 225, App

#### ALIGNMENTS

RESULT 1  
US-10-242-535A-56066  
Sequence 56066, App2 Application US/10242535A  
Publication No. US20040013663A1  
GENERAL INFORMATION:  
APPLICANT: ChondroGene Inc.  
APPLICANT: Liaw, C.C.  
TITLE OF INVENTION: Compositions and Methods Relating to Osteoarthritis  
FILE REFERENCE: 4231/2005  
CURRENT APPLICATION NUMBER: US/10/242,535A  
CURRENT FILING DATE: 2002-09-12  
PRIOR APPLICATION NUMBER: US 10/085,783  
PRIOR FILING DATE: 2002-02-28  
PRIOR APPLICATION NUMBER: US 60/305,340  
PRIOR FILING DATE: 2001-07-13  
PRIOR APPLICATION NUMBER: US 60/275,017  
PRIOR FILING DATE: 2001-03-12  
PRIOR APPLICATION NUMBER: US 60/271,955  
PRIOR FILING DATE: 2001-02-28  
NUMBER OF SEQ ID NOS: 58994  
SOFTWARE: Patent version 3.2  
SEQ ID NO 56066  
LENGTH: 391  
TYPE: DNA  
ORGANISM: Human  
FEATURE:  
NAME/KEY: misc feature  
LOCATION: (343) (343)  
OTHER INFORMATION: n is a, c, g, or t  
US-10-242-535A-56066  
Query Match 94.7%; Score 28.4; DB 12; Length 391;  
Best Local Similarity 96.7%; Pred. No. 0.0075;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;  
DB 86 ATCATTGCTCCCTGCTGTTATCATGCAAC 115

RESULT 2  
US-09-962-436-169/c  
; Sequence 169, Application US/09962436  
; Patent No. US20020081301A1  
; GENERAL INFORMATION:  
; APPLICANT: Soppel, Daniel  
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
; TITLE OF INVENTION: Sets  
; FILE REFERENCE: 689290-75  
; CURRENT APPLICATION NUMBER: US/09/962,436  
; CURRENT FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,082  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/234,924  
; PRIOR FILING DATE: 2000-09-25  
; NUMBER OF SEQ ID NOS: 568  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 169  
; LENGTH: 405  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: n=a,t,g or c  
US-09-962-436-169

Query Match 94.7%; Score 28.4; DB 9; Length 405;  
Best Local Similarity 96.7%; Pred. No. 0.0075;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGCTATCATGCCAAC 30  
Db 384 ATCATGTGCTCCCTGCTATCATGCCAAC 355

RESULT 3  
US-09-738-630-95  
; Sequence 95, Application US/09738630  
; Publication No. US20030166213A1  
; GENERAL INFORMATION:  
; APPLICANT: Greenspan, Ralph J.  
; APPLICANT: Shaw, Paul J.  
; TITLE OF INVENTION: Methods For Identifying Compounds That  
; TITLE OF INVENTION: Modulate Disorders Related To Nitric Oxide/cGMP-Dependent  
; TITLE OF INVENTION: Protein Kinase Signaling  
; FILE REFERENCE: P-NI 3906  
; CURRENT APPLICATION NUMBER: US/09/738,630  
; CURRENT FILING DATE: 2000-12-15  
; NUMBER OF SEQ ID NOS: 105  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 95  
; LENGTH: 425  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(390)  
US-09-738-630-95

Query Match 94.7%; Score 28.4; DB 13; Length 425;  
Best Local Similarity 96.7%; Pred. No. 0.0076;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGCTATCATGCCAAC 30  
Db 127 ATCATGTGCTCCCTGCTATCATGCCAAC 156

RESULT 4  
US-09-918-995-24537  
; Sequence 24537, Application US/09918995

; Publication No. US20030073623A1  
; GENERAL INFORMATION:  
; APPLICANT: Hyseq, Inc.  
; TITLE OF INVENTION: NOVEL NUCLEIC ACID SEQUENCES OBTAINED  
; TITLE OF INVENTION: FROM VARIOUS CDNA LIBRARIES  
; FILE REFERENCE: 20411-756  
; CURRENT APPLICATION NUMBER: US/09/918,995  
; CURRENT FILING DATE: 2001-07-30  
; PRIOR APPLICATION NUMBER: US/09/235,076  
; PRIOR FILING DATE: 1999-01-20  
; NUMBER OF SEQ ID NOS: 38054  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 24537  
; LENGTH: 494  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; LOCATION: (1)...(494)  
; OTHER INFORMATION: n = A,T,C or G  
US-09-918-995-24537

Query Match 94.7%; Score 28.4; DB 11; Length 494;  
Best Local Similarity 96.7%; Pred. No. 0.0077;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGCTATCATGCCAAC 30  
Db 158 ATCATGTGCTCCCTGCTATCATGCCAAC 187

RESULT 5  
US-10-084-817-59  
; Sequence 59, Application US/10084817  
; Publication No. US20030119009A1  
; GENERAL INFORMATION:  
; APPLICANT: Susan Stuart  
; APPLICANT: Jed G. Nuchtern  
; APPLICANT: Sharon E. Plonk  
; APPLICANT: Jason M. Shonk  
; TITLE OF INVENTION: GENES REGULATED BY MYCN ACTIVATION  
; FILE REFERENCE: PA-0046 US  
; CURRENT APPLICATION NUMBER: US/10/084,817  
; CURRENT FILING DATE: 2002-02-25  
; PRIOR APPLICATION NUMBER: 60/270,784  
; PRIOR FILING DATE: 2001-02-23  
; NUMBER OF SEQ ID NOS: 365  
; SOFTWARE: PERL Program  
; SEQ ID NO 59  
; LENGTH: 1620  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc feature  
; OTHER INFORMATION: Incyte ID No. US20030119009A1 3526170CB1  
; NAME/KEY: unsure  
; LOCATION: 120  
; OTHER INFORMATION: a, t, c, g, or other  
US-10-084-817-59

Query Match 94.7%; Score 28.4; DB 15; Length 1620;  
Best Local Similarity 96.7%; Pred. No. 0.0094;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 ATCATGTGCTCCCTGCTATCATGCCAAC 30  
Db 1230 ATCATGTGCTCCCTGCTATCATGCCAAC 1259

RESULT 6  
US-10-295-027-953  
; Sequence 953, Application US/10295027  
; Publication No. US2003023350A1

```
GENERAL INFORMATION:
APPLICANT: Afari, Daniel
APPLICANT: Aziz, Natasha
APPLICANT: Ginsberg, Wendy M.
APPLICANT: Gish, Kurt C.
APPLICANT: Glynn, Richard
APPLICANT: Hevez, Peter A.
APPLICANT: Mack, David H.
APPLICANT: Murray, Richard
APPLICANT: Watson, Susan R.
APPLICANT: Ros Biotechnology, Inc.
TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
FILE REFERENCE: 018501-012500US
CURRENT APPLICATION NUMBER: US/10/295,027
CURRENT FILING DATE: 2002-11-13
PRIOR APPLICATION NUMBER: US 09/663,733
PRIOR FILING DATE: 2000-09-15
PRIOR APPLICATION NUMBER: US 60/350,666
PRIOR FILING DATE: 2001-11-13
PRIOR APPLICATION NUMBER: US 60/335,394
PRIOR FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: US 60/332,464
PRIOR FILING DATE: 2001-11-21
PRIOR APPLICATION NUMBER: US 60/334,393
PRIOR FILING DATE: 2001-11-29
PRIOR APPLICATION NUMBER: US 60/340,376
PRIOR FILING DATE: 2001-12-14
PRIOR APPLICATION NUMBER: US 60/347,211
PRIOR FILING DATE: 2002-01-08
PRIOR APPLICATION NUMBER: US 60/347,349
PRIOR FILING DATE: 2002-01-10
PRIOR APPLICATION NUMBER: US 60/355,250
PRIOR FILING DATE: 2002-02-08
PRIOR APPLICATION NUMBER: US 60/356,714
PRIOR FILING DATE: 2002-02-13
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 1386
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 953
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo sapiens
US-10-295-027-953

Query Match          94.7%; Score 28.4; DB 12; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0096;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 ATCATTTGCTCCCTCGGTTATCATGCGCAAC 30
DB      1100 ATCATTTGCTCCCTCGGTTATCATGCGCAAC 1129

RESULT 7
US-10-305-720-1200
Sequence 1200, Application US/10305720
Publication No. US20040010136A1
GENERAL INFORMATION:
APPLICANT: An-Young, Janice K.; Seilhamer, Jeffrey J.
TITLE OF INVENTION: Composition for the Detection of Signaling Pathway Gene Expressio
FILE REFERENCE: PA-0002-1 CON
CURRENT APPLICATION NUMBER: US/10/305,720
CURRENT FILING DATE: 2002-11-26
PRIOR APPLICATION NUMBER: 09/016,434
PRIOR FILING DATE: 1998-01-30
NUMBER OF SEQ ID NOS: 1490
SOFTWARE: PERL Program
SEQ ID NO 1200
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo sapiens
FEATURE:
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NAME/KEY: misc feature
OTHER INFORMATION: GenBank ID No. US20040010136A1 g181946
US-10-305-720-1200

Query Match          94.7%; Score 28.4; DB 12; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0096;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 ATCATTTGCTCCCTCGGTTATCATGCGCAAC 30
DB      1100 ATCATTTGCTCCCTCGGTTATCATGCGCAAC 1129

RESULT 8
US-10-241-220-15
Sequence 15, Application US/10241220
Publication No. US20030148408A1
GENERAL INFORMATION:
APPLICANT: Frantz, Gretchen
APPLICANT: Hillan, Kenneth J.
APPLICANT: Phillips, Heidi
APPLICANT: Polakis, Paul
APPLICANT: Spencer, Susan
APPLICANT: Williams, P. Mickey
APPLICANT: Wu, Thomas
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
FILE REFERENCE: P5010R1-US
CURRENT APPLICATION NUMBER: US/10/241,220
CURRENT FILING DATE: 2002-12-13
NUMBER OF SEQ ID NOS: 120
SEQ ID NO 15
LENGTH: 1840
TYPE: DNA
ORGANISM: Homo Sapien
US-10-241-220-15

Query Match          94.7%; Score 28.4; DB 13; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0096;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 ATCATTTGCTCCCTCGGTTATCATGCGCAAC 30
DB      1100 ATCATTTGCTCCCTCGGTTATCATGCGCAAC 1129

RESULT 9
US-10-301-822-88
Sequence 88, Application US/10301822
Publication No. US20030148410A1
GENERAL INFORMATION:
APPLICANT: Millennium Pharmaceuticals, Inc.
APPLICANT: Berger, Allison
APPLICANT: Guillemette, Tracy L.
APPLICANT: Kamatkar, Shubhangi
APPLICANT: Schlegel, Robert
APPLICANT: Monahan, John E.
APPLICANT: Thibodeau, Stephen N.
APPLICANT: Burgart, Lawrence J.
TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND
FILE REFERENCE: MPW01-029P2RNM
CURRENT APPLICATION NUMBER: US/10/301,822
CURRENT FILING DATE: 2002-11-21
PRIOR APPLICATION NUMBER: US 60/339,971
PRIOR FILING DATE: 2001-12-10
PRIOR APPLICATION NUMBER: US 60/361,978
PRIOR FILING DATE: 2002-03-05
PRIOR APPLICATION NUMBER: US 60/381,988
PRIOR FILING DATE: 2002-05-20
NUMBER OF SEQ ID NOS: 228
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; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 88
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo Sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (86) ... (1366)
US-10-301-822-88

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```

Query Match      94.7%; Score 28.4; DB 13; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0096;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Oy      1 ATCATGCTCCCTCGGTATCATGCCAC 30
Db      1100 ATCATGCTCCCTCGGTATCATGCCAC 1129

```

```

RESULT 10
US-10-171-311-94
; Sequence 94, Application US/10171311
; Publication No. US20030087270A1
; GENERAL INFORMATION:
; APPLICANT: Schlegel, Robert
; APPLICANT: Chen, Yan
; APPLICANT: Zhao, Xumei
; APPLICANT: Monahan, John
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Glatt, Karen
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Hoersch, Sebastian
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS FOR
; TITLE OF INVENTION: IDENTIFICATION, ASSESSMENT, PREVENTION, AND THERAPY
; TITLE OF INVENTION: OF CERVICAL CANCER
; FILE REFERENCE: MRI-035
; CURRENT APPLICATION NUMBER: US/10/171,311
; CURRENT FILING DATE: 2002-06-12
; PRIOR APPLICATION NUMBER: US 60/298,159
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/298,155
; PRIOR FILING DATE: 2001-06-13
; PRIOR APPLICATION NUMBER: US 60/335,936
; PRIOR FILING DATE: 2001-11-14
; NUMBER OF SEQ ID NOS: 238
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 94
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-171-311-94

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```

Query Match      94.7%; Score 28.4; DB 15; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0096;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Oy      1 ATCATGCTCCCTCGGTATCATGCCAC 30
Db      1100 ATCATGCTCCCTCGGTATCATGCCAC 1129

```

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RESULT 11
US-10-177-293-231
; Sequence 231, Application US/10177293
; Publication No. US20030124128A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Glatt, Karen
; APPLICANT: Zhao, Xumei
; APPLICANT: Gannavarapu, Manjula
; APPLICANT: Kamatkar, Shubhangi
; APPLICANT: Mertens, Maureen
; APPLICANT: Myer, Vic

```

```

; APPLICANT: Wang, Youzhen
; APPLICANT: Xu, Yongyao
; APPLICANT: Hoersch, Sebastian
; APPLICANT: Monahan, John
; APPLICANT: Meyers, Rachel E.
; APPLICANT: Baet Jr., Robert C.
; APPLICANT: Hortobagyi, Gabriel N.
; APPLICANT: Pusztai, Lajos
; APPLICANT: Meric, Punda
; APPLICANT: Sahin, Aysegul
; APPLICANT: Mills, Gordon B.
; TITLE OF INVENTION: COMPOSITIONS, KITS, AND METHODS FOR IDENTIFICATION, ASSESSMENT,
; TITLE OF INVENTION: PREVENTION, AND THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-038
; CURRENT APPLICATION NUMBER: US/10/177,293
; CURRENT FILING DATE: 2002-06-21
; PRIOR APPLICATION NUMBER: US 60/299,887
; PRIOR FILING DATE: 2001-06-21
; PRIOR APPLICATION NUMBER: US 60/301,572
; PRIOR FILING DATE: 2001-06-27
; PRIOR APPLICATION NUMBER: US 60/306,501
; PRIOR FILING DATE: 2001-07-18
; PRIOR APPLICATION NUMBER: US 60/325,002
; PRIOR FILING DATE: 2001-09-25
; PRIOR APPLICATION NUMBER: US 60/362,585
; PRIOR FILING DATE: 2002-03-05
; PRIOR APPLICATION NUMBER: US 60/xxx,xxx
; PRIOR FILING DATE: 2002-05-14
; NUMBER OF SEQ ID NOS: 506
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 231
; LENGTH: 1840
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-177-293-231

```

```

Query Match      94.7%; Score 28.4; DB 15; Length 1840;
Best Local Similarity 96.7%; Pred. No. 0.0096;
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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```

Oy      1 ATCATGCTCCCTCGGTATCATGCCAC 30
Db      1100 ATCATGCTCCCTCGGTATCATGCCAC 1129

```

```

RESULT 12
US-10-198-846-13039
; Sequence 13039, Application US/10198846
; Publication No. US2003009974A1
; GENERAL INFORMATION:
; APPLICANT: Lillie, James
; APPLICANT: Xu, Yongyao
; APPLICANT: Wang, Youzhen
; APPLICANT: Steinhilber, Kathleen
; TITLE OF INVENTION: NOVEL GENES, COMPOSITIONS, KITS, AND METHODS, AND
; TITLE OF INVENTION: FOR IDENTIFICATION, ASSESSMENT, PREVENTION, AND
; TITLE OF INVENTION: THERAPY OF BREAST CANCER
; FILE REFERENCE: MRI-049
; CURRENT APPLICATION NUMBER: US/10/198,846
; CURRENT FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: 60/306,220
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14084
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13039
; LENGTH: 2462
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: 1, 2, 2460, 2461, 2462
; OTHER INFORMATION: n = A,T,C or G
US-10-198-846-13039

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Query Match 94.7%; Score 28.4; DB 15; Length 2462;  
Best Local Similarity 96.7%; Pred. No. 0.01;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGTGCTCCCTGCTGTATCATGCCAAC 30  
|||||  
DB 1296 ATCATGTGCTCCCTGCTGTATCATGCCAAC 1325  
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RESULT 13  
US-09-962-436-295  
; Sequence 295, Application US/09962436  
; Patent No. US20020081301A1  
; GENERAL INFORMATION:  
; APPLICANT: Soppet, Daniel  
; TITLE OF INVENTION: Cancer Gene Determination and Therapeutic Screening Using Signatu  
; FILE REFERENCE: 689290-75  
; CURRENT APPLICATION NUMBER: US/09/962,436  
; PRIOR FILING DATE: 2001-09-25  
; PRIOR APPLICATION NUMBER: US/60/235,082  
; PRIOR FILING DATE: 2000-09-25  
; PRIOR APPLICATION NUMBER: US/60/234,924  
; PRIOR FILING DATE: 2000-09-25  
; NUMBER OF SEQ ID NOS: 568  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 295  
; LENGTH: 4068  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-962-436-295

Query Match 94.7%; Score 28.4; DB 9; Length 4068;  
Best Local Similarity 96.7%; Pred. No. 0.01;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGTGCTCCCTGCTGTATCATGCCAAC 30  
|||||  
DB 1093 ATCATGTGCTCCCTGCTGTATCATGCCAAC 1122  
|||||

RESULT 14  
US-09-954-531-182  
; Sequence 182, Application US/09954531  
; Patent No. US20020165180A1  
; GENERAL INFORMATION:  
; APPLICANT: Weaver, Zoe  
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc  
; FILE REFERENCE: 689290-77  
; CURRENT APPLICATION NUMBER: US/09/954,531  
; PRIOR FILING DATE: 2002-05-02  
; PRIOR APPLICATION NUMBER: US/60/233,133  
; PRIOR FILING DATE: 2000-09-18  
; PRIOR APPLICATION NUMBER: US/60/234,009  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,034  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,509  
; PRIOR FILING DATE: 2000-09-22  
; PRIOR APPLICATION NUMBER: US/60/234,567  
; PRIOR FILING DATE: 2000-09-22  
; NUMBER OF SEQ ID NOS: 1392  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 182  
; LENGTH: 4068  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-954-531-182

Query Match. 94.7%; Score 28.4; DB 10; Length 4068;  
Best Local Similarity 96.7%; Pred. No. 0.01;

Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGTGCTCCCTGCTGTATCATGCCAAC 30  
|||||  
DB 1093 ATCATGTGCTCCCTGCTGTATCATGCCAAC 1122  
|||||

RESULT 15  
US-09-954-531-387  
; Sequence 387, Application US/09954531  
; Patent No. US20020165180A1  
; GENERAL INFORMATION:  
; APPLICANT: Weaver, Zoe  
; TITLE OF INVENTION: Process for Identifying Anti-Cancer Therapeutic Agents Using Canc  
; FILE REFERENCE: 689290-77  
; CURRENT APPLICATION NUMBER: US/09/954,531  
; PRIOR FILING DATE: 2002-05-02  
; PRIOR APPLICATION NUMBER: US/60/233,133  
; PRIOR FILING DATE: 2000-09-18  
; PRIOR APPLICATION NUMBER: US/60/234,009  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,034  
; PRIOR FILING DATE: 2000-09-20  
; PRIOR APPLICATION NUMBER: US/60/234,509  
; PRIOR FILING DATE: 2000-09-22  
; PRIOR APPLICATION NUMBER: US/60/234,567  
; PRIOR FILING DATE: 2000-09-22  
; NUMBER OF SEQ ID NOS: 1392  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 387  
; LENGTH: 4068  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-954-531-387

Query Match 94.7%; Score 28.4; DB 10; Length 4068;  
Best Local Similarity 96.7%; Pred. No. 0.01;  
Matches 29; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 ATCATGTGCTCCCTGCTGTATCATGCCAAC 30  
|||||  
DB 1093 ATCATGTGCTCCCTGCTGTATCATGCCAAC 1122  
|||||

Search completed: February 3, 2004, 23:51:22  
Job time : 107.442 secs

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GenCore version 5.1.6  
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: February 2, 2004, 15:10:27 ; Search time 14 Seconds  
(without alignments)  
75.555 Million cell updates/sec

Title: US-09-913-524-9

Perfect score: 143  
Sequence: 1 PMSPALRLTGRPEEPEAHAFCHR 25

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 328717 seqs, 42310858 residues

Total number of hits satisfying chosen parameters: 328717

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:\*

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2: /cgn2\_6/ptodata/1/1aa/5B\_COMB.pep:\*  
3: /cgn2\_6/ptodata/1/1aa/6A\_COMB.pep:\*  
4: /cgn2\_6/ptodata/1/1aa/6B\_COMB.pep:\*  
5: /cgn2\_6/ptodata/1/1aa/PCTUS\_COMB.pep:\*  
6: /cgn2\_6/ptodata/1/1aa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	128	89.5	351	1	US-08-197-792-39 Sequence 39, Appl
2	128	89.5	351	1	US-08-459-850-39 Sequence 39, Appl
3	128	89.5	351	1	US-08-459-214-39 Sequence 39, Appl
4	127	88.8	364	1	US-08-197-792-29 Sequence 29, Appl
5	127	88.8	364	1	US-08-459-850-29 Sequence 29, Appl
6	127	88.8	364	1	US-08-459-214-29 Sequence 29, Appl
7	98	68.5	122	1	US-08-581-529B-16 Sequence 16, Appl
8	98	68.5	122	1	US-08-455-559-22 Sequence 22, Appl
9	98	68.5	122	2	US-08-525-596B-26 Sequence 26, Appl
10	98	68.5	122	2	US-08-581-528A-16 Sequence 16, Appl
11	98	68.5	122	3	US-09-097-615-16 Sequence 16, Appl
12	98	68.5	122	3	US-09-177-860A-26 Sequence 26, Appl
13	98	68.5	122	3	US-08-624-635-18 Sequence 22, Appl
14	98	68.5	122	3	US-09-145-060-22 Sequence 22, Appl
15	98	68.5	122	4	US-09-629-938-26 Sequence 22, Appl
16	98	68.5	122	5	PCT-US94-00657-22 Sequence 22, Appl
17	98	68.5	122	5	PCT-US94-00762-16 Sequence 16, Appl
18	98	68.5	122	5	PCT-US94-07799-16 Sequence 16, Appl
19	98	68.5	122	5	PCT-US94-07799-16 Sequence 16, Appl
20	96	67.1	26	1	US-08-459-850-1 Sequence 1, Appl
21	96	67.1	26	1	US-08-197-792-1 Sequence 1, Appl
22	94	65.7	121	1	US-08-481-377-20 Sequence 20, Appl
23	94	65.7	121	2	US-08-491-835-18 Sequence 18, Appl
24	94	65.7	121	3	US-09-153-733A-20 Sequence 20, Appl
25	94	65.7	121	3	US-08-946-092A-18 Sequence 18, Appl
26	94	65.7	121	3	US-09-172-062-18 Sequence 18, Appl
27	94	65.7	121	4	US-09-301-520D-18 Sequence 18, Appl

28	94	65.7	121	4	US-09-389-705-20 Sequence 20, Appl
29	94	65.7	121	5	PCT-US94-00665-20 Sequence 20, Appl
30	94	65.7	121	5	PCT-US94-00665-18 Sequence 18, Appl
31	73	51.0	27	2	US-09-072-323-4 Sequence 4, Appl
32	73	51.0	27	2	US-09-072-323-6 Sequence 6, Appl
33	68	47.6	116	1	US-08-197-792-38 Sequence 38, Appl
34	68	47.6	116	1	US-08-459-850-38 Sequence 38, Appl
35	68	47.6	116	1	US-08-459-214-38 Sequence 38, Appl
36	58	40.6	312	4	US-09-252-991A-30114 Sequence 30114, A
37	55.5	38.8	1832	3	US-09-335-409-4 Sequence 4, Appl
38	55.5	38.8	1832	4	US-09-568-102-4 Sequence 4, Appl
39	55.5	38.8	1832	4	US-09-567-969-4 Sequence 4, Appl
40	55.5	38.8	1832	4	US-09-568-480-4 Sequence 4, Appl
41	55.5	38.8	1832	4	US-09-568-486-4 Sequence 4, Appl
42	55.5	38.8	1832	4	US-09-568-472-4 Sequence 4, Appl
43	55.5	38.8	1832	4	US-09-567-899-4 Sequence 4, Appl
44	54	37.8	145	4	US-09-252-991A-32524 Sequence 32524, A
45	53	37.1	470	4	US-09-252-991A-19467 Sequence 19467, A

#### ALIGNMENTS

RESULT 1  
US-08-197-792-39  
; Sequence 39, Application US/08197792  
; Patent No. 5525488  
; GENERAL INFORMATION:  
; APPLICANT: Anthony J. Mason  
; APPLICANT: Peter H. Seeburg  
; TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
; NUMBER OF SEQUENCES: 44  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: Pacin (Genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/197,792  
; FILING DATE: 16-FEB-1994  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/958414  
; FILING DATE: 08-OCT-1992  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/744207  
; FILING DATE: 12-AUG-1991  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/215466  
; FILING DATE: 05-JUL-1988  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/906729  
; FILING DATE: 31-DEC-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/827710  
; FILING DATE: 07-FEB-1986  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 06/783910  
; FILING DATE: 03-OCT-1985  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Hasak, Janet E.  
; REGISTRATION NUMBER: 28,616  
; REFERENCE/DOCKET NUMBER: 297PD24  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-1896  
; TELEFAX: 415/952-9881





SEQUENCE CHARACTERISTICS:  
LENGTH: 351 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-459-214-39

Query Match 89.5%; Score 128; DB 1; Length 351;  
Best Local Similarity 88.0%; Pred. No. 1.3e-10;  
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 PWSPALRLQRPPEPSAFAFCHR 25  
Db 225 PWSPALRLQRPPEPSAFAFCHR 249

RESULT 4  
US-08-197-792-29  
Sequence 29, Application US/08197792  
Patent No. 5525488  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or Beta Chains of Inhibin and  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/197,792  
FILING DATE: 16-FEB-1994  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D4  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 364 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-197-792-29

Query Match 88.8%; Score 127; DB 1; Length 364;  
Best Local Similarity 88.0%; Pred. No. 1.8e-10;  
Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PWSPALRLQRPPEPSAFAFCHR 25  
Db 238 PWSPALRLQRPPEPSAFAFCHR 262

RESULT 5  
US-08-459-850-29  
Sequence 29, Application US/08459850  
Patent No. 5665568  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: patin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,850  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Hasak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D5  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 364 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-459-850-29

Query Match 88.8%; Score 127; DB 1; Length 364;

Best Local Similarity 88.0%; Pred. No. 1.8e-10;  
Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHFCHR 25  
DB 238 PMSPALRLQRPPEPSAHFCHR 262

## RESULT 6

US-08-459-214-29  
Sequence 29, Application US/08459214  
Patent No. 5716810  
GENERAL INFORMATION:  
APPLICANT: Anthony J. Mason  
APPLICANT: Peter H. Seeburg  
TITLE OF INVENTION: Nucleic Acid Encoding the Alpha or  
TITLE OF INVENTION: Beta Chains of Inhibin and Method for Synthesizing Polypeptide  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: pacin (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/459,214  
FILING DATE: 02-JUN-1995  
CLASSIFICATION: 435  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/197792  
FILING DATE: 17-FEB-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/958414  
FILING DATE: 08-OCT-1992  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/744207  
FILING DATE: 12-AUG-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/215466  
FILING DATE: 05-JUL-1988  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/906729  
FILING DATE: 31-DEC-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/827710  
FILING DATE: 07-FEB-1986  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 06/783910  
FILING DATE: 03-OCT-1985  
ATTORNEY/AGENT INFORMATION:  
NAME: Haak, Janet E.  
REGISTRATION NUMBER: 28,616  
REFERENCE/DOCKET NUMBER: 297P2D6  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/952-1896  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 29:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 364 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-459-214-29

Query Match 88.8%; Score 127; DB 1; Length 364;  
Best Local Similarity 88.0%; Pred. No. 1.8e-10;

Matches 22; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 1 PMSPALRLQRPPEPSAHFCHR 25  
DB 238 PMSPALRLQRPPEPSAHFCHR 262

## RESULT 7

US-08-581-529B-16  
Sequence 16, Application US/08581529B  
Patent No. 5770444  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
APPLICANT: Huynh, Thanh  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Fish & Richardson  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: California  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/581,529B  
FILING DATE: 15-APR-1996  
CLASSIFICATION: 536  
ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Hallie, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/082001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 678-5090  
TELEFAX: (619) 678-5099  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-581-529B-16

Query Match 68.5%; Score 98; DB 1; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHFCHR 25  
DB 1 ALRLQRPPEPSAHFCHR 20

## RESULT 8

US-08-455-559-22  
Sequence 22, Application US/08455559  
Patent No. 5801014  
GENERAL INFORMATION:  
APPLICANT: LEE, SE-JIN  
APPLICANT: HUYNH, THANH  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: SPENSLAY HORN JUBAS & LUBITZ

Query Match 88.8%; Score 127; DB 1; Length 364;  
Best Local Similarity 88.0%; Pred. No. 1.8e-10;



MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-581-528A-16

Query Match 68.5%; Score 98; DB 2; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25  
|||||  
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 11  
US-09-097-616-16  
Sequence 16, Application US/09097616  
Patent No. 6090563  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
APPLICANT: Huynh, Thanh  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-6  
NUMBER OF SEQUENCES: 21  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Fish & Richardson  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: California  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/097,616  
FILING DATE:  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/581,529  
FILING DATE: 15-APR-1996  
ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Haile, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/082001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 678-5070  
TELEFAX: (619) 678-5099  
INFORMATION FOR SEQ ID NO: 16:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-09-097-616-16

Query Match 68.5%; Score 98; DB 3; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25  
|||||  
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 12  
US-09-177-860A-26  
Sequence 26, Application US/09177860A  
Patent No. 6096506  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
APPLICANT: Lee, Se-Jin  
TITLE OF INVENTION: ANTIDIODES SPECIFIC FOR GROWTH DIFFERENTIATION FACTOR-6 AN  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Gray Cary Ware & Freidenrich LLP  
STREET: 4365 Executive Drive, Suite 1600  
CITY: San Diego  
STATE: CA  
COUNTRY: US  
ZIP: 92121

COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/177,860A  
FILING DATE: 23-OCT-1998  
CLASSIFICATION: 424  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/525,596  
FILING DATE: 19-SEP-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Haile, Ph.D, Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/075003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 858-677-1456  
TELEFAX: 858-677-1465  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-09-177-860A-26

Query Match 68.5%; Score 98; DB 3; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25  
|||||  
Db 1 ALRLQRPPEPSAHAFCHR 20

RESULT 13  
US-08-624-635-18  
Sequence 18, Application US/08624635  
Patent No. 6204047  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-Jin  
APPLICANT: Cunningham, No. 6204047een  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10  
NUMBER OF SEQUENCES: 26  
CORRESPONDENCE ADDRESSES:  
ADDRESSEE: Spensley Horn Juba & Lubitz  
STREET: 1880 Century Park East, Suite 500  
CITY: Los Angeles  
STATE: California

COUNTRY: USA  
ZIP: 90067  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/624,635  
FILING DATE: 16-AUG-1996  
CLASSIFICATION: 536  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US 08/134,078  
FILING DATE: 08-OCT-1993  
ATTORNEY/AGENT INFORMATION:  
NAME: Wetherell, Jr., Ph.D., John R.,  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: PD-3054  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (619) 455-5100  
TELEFAX: (619) 455-5110  
INFORMATION FOR SEQ ID NO: 18:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
US-08-624-635-18

Query Match 68.5%; Score 98; DB 3; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAFAFCHR 25  
|||  
Db 1 ALRLQRPPEPSAFAFCHR 20

RESULT 14  
US-09-145-060-22  
Sequence 22, Application US/09145060  
Patent No. 6245896  
GENERAL INFORMATION:  
APPLICANT: Lee, Se-jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5  
NUMBER OF SEQUENCES: 27  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson, P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: USA  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/145,060  
FILING DATE:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/455,559  
FILING DATE: 31-MAY-1995  
APPLICATION NUMBER: 08/003,144  
FILING DATE: 12-JAN-1993

ATTORNEY/AGENT INFORMATION:  
NAME: Lisa A. Haile, Ph.D.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/057001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619/678-5070  
TELEFAX: 619/678-5099  
INFORMATION FOR SEQ ID NO: 22:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
US-09-145-060-22

Query Match 68.5%; Score 98; DB 3; Length 122;  
Best Local Similarity 90.0%; Pred. No. 7.7e-07;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAFAFCHR 25  
|||  
Db 1 ALRLQRPPEPSAFAFCHR 20

RESULT 15  
US-09-629-938-26  
Sequence 26, Application US/09629938  
Patent No. 6500664  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
Lee, Se-jin  
TITLE OF INVENTION: ANTIBODIES SPECIFIC FOR GROWTH DIFFERENTIATION  
FACTOR-8 AND METHODS OF USING SAME (Amended)  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Gray Cary Ware & Freidenrich LLP  
STREET: 4365 Executive Drive, Suite 1600  
CITY: San Diego  
STATE: CA  
COUNTRY: US  
ZIP: 92121  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/629,938  
FILING DATE: 01-Aug-2000  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 09/177,860  
FILING DATE: <Unknown>  
ATTORNEY/AGENT INFORMATION:  
NAME: Haile, Ph.D. Lisa A.  
REGISTRATION NUMBER: 38,347  
REFERENCE/DOCKET NUMBER: 07265/075003  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 858-677-1456  
TELEFAX: 858-677-1465  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122



GenCore version 5.1.6  
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OM protein - protein search, using BW model

Run on: February 2, 2004, 15:14:52 ; Search time 27.5 Seconds  
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188.931 Million cell updates/sec

Title: US-09-913-524-9  
Perfect score: 143  
Sequence: 1 PWSPALRLQRPPEPSAHAFCHR 25

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Gapop 10.0 , Gapext 0.5

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Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Database : Published Applications AA:\*

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7: /cgn2\_6/ptodata/1/pubpaa/US08\_NEW\_PUB.pep:\*  
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11: /cgn2\_6/ptodata/1/pubpaa/US09C\_PUBCOMB.pep:\*  
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	128	89.5	134	12	US-10-125-187-2
2	128	89.5	367	10	US-09-813-398-18
3	100	69.9	26	12	US-09-930-915A-252
4	100	69.9	26	12	US-10-082-014-74
5	100	69.9	26	12	US-10-372-076-75
6	98	68.5	122	10	US-09-813-459-18
7	98	68.5	122	10	US-09-859-211-44
8	98	68.5	122	10	US-09-880-708-22
9	98	68.5	122	11	US-09-872-856-44
10	98	68.5	122	15	US-10-335-483-26
11	94	65.7	121	14	US-10-115-406-18
12	94	65.7	121	15	US-10-154-333-20
13	73	51.0	14	12	US-10-125-187-5
14	73	51.0	14	12	US-10-125-187-38
15	70	49.0	14	12	US-10-125-187-39

16	68	47.6	14	12	US-10-125-187-7	Sequence 7, Appl1
17	68	47.6	14	12	US-10-125-187-37	Sequence 37, Appl1
18	68	47.6	14	12	US-10-125-187-41	Sequence 41, Appl1
19	67	46.9	14	12	US-10-125-187-6	Sequence 6, Appl1
20	67	46.9	14	12	US-10-125-187-40	Sequence 40, Appl1
21	60	42.0	14	12	US-10-125-187-8	Sequence 8, Appl1
22	60	42.0	14	12	US-10-125-187-42	Sequence 42, Appl1
23	56.5	39.5	133	12	US-10-108-260A-2916	Sequence 2916, Ap
24	56	39.2	14	12	US-10-125-187-4	Sequence 4, Appl1
25	56	39.2	14	12	US-10-125-187-36	Sequence 36, Appl1
26	55.5	38.8	1832	14	US-10-014-717-4	Sequence 4, Appl1
27	52.5	36.7	368	9	US-09-768-703-2	Sequence 2, Appl1
28	52.5	36.7	368	12	US-10-272-983-6	Sequence 6, Appl1
29	52.5	36.7	368	12	US-10-312-094-3	Sequence 3, Appl1
30	52.5	36.7	368	12	US-10-393-807-6	Sequence 6, Appl1
31	52.5	36.7	368	12	US-10-417-820A-6	Sequence 6, Appl1
32	52.5	36.7	368	15	US-10-225-567A-627	Sequence 67, App
33	52.5	36.7	368	15	US-10-220-382-4	Sequence 4, Appl1
34	51	35.7	378	15	US-10-103-313-434	Sequence 434, App
35	51	35.7	1018	15	US-10-128-714-3585	Sequence 3585, Ap
36	51	35.7	1018	15	US-10-128-714-8585	Sequence 8585, Ap
37	50.5	35.3	2439	14	US-10-014-717-7	Sequence 7, Appl1
38	50	35.0	454	15	US-10-156-761-13939	Sequence 13939, A
39	50	35.0	854	12	US-10-369-493-4880	Sequence 4880, Ap
40	50	35.0	869	12	US-10-369-493-7638	Sequence 7638, Ap
41	49	34.3	50	10	US-09-998-667-11	Sequence 11, Appl
42	49	34.3	92	12	US-10-195-730-363	Sequence 163, Appl
43	49	34.3	101	12	US-10-262-581-2	Sequence 2, Appl1
44	49	34.3	145	12	US-10-021-718-2	Sequence 2, Appl1
45	49	34.3	228	10	US-09-998-667-8	Sequence 8, Appl1

## ALIGNMENTS

RESULT 1  
US-10-125-187-2  
Sequence 2, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNE-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
APPLICANT: CAHILL, Nicholas F.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS  
TITLE OF INVENTION: METHODS OF USING SAME  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIORITY APPLICATION NUMBER: PCT/AU00/01248  
PRIORITY FILING DATE: 2000-10-18  
PRIOR APPLICATION NUMBER: AU PQ 9162  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: AU PQ 3485  
PRIOR FILING DATE: 1999-10-18  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 2  
LENGTH: 134  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURES:  
OTHER INFORMATION: alpha C fragment of human inhibin  
US-10-125-187-2  
Query Match 89.5%; Score 128; DB 12; Length 134;  
Best Local Similarity 88.0%; Pred. No. 7.4e-09;  
Matches 22; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

CY 1 PWSPALRLQRPPEPSAHAFCHR 25  
DB 8 PWSPALRLQRPPEPSAHAFCHR 32

```

RESULT 2
US-09-813-398-18
: Sequence 18, Application US/09813398
: Patent No. US20020169292A1
: GENERAL INFORMATION:
: APPLICANT: Bruce D. Weintraub
: APPLICANT: Mariusz W. Szklinski
: APPLICANT: University of Maryland
: TITLE OF INVENTION: CYSTINE KNOT GROWTH FACTOR MUTANTS
: FILE REFERENCE: USFMD.003C1
: CURRENT APPLICATION NUMBER: US/09/813,398
: CURRENT FILING DATE: 2001-03-20
: PRIOR APPLICATION NUMBER: PCT/US99/05998
: PRIOR FILING DATE: 1999-03-19
: PRIOR APPLICATION NUMBER: PCT/US98/19772
: PRIOR FILING DATE: 1998-09-22
: NUMBER OF SEQ ID NOS: 41
: SOFTWARE: FastSeq for Windows Version 4.0
: SEQ ID NO 18
: LENGTH: 367
: TYPE: PRT
: ORGANISM: HOMO SAPIEN
US-09-813-398-18

```

	Query Match	Score	DB	Length
Best Local Similarity	89.5%	128	10	367
Matches	22	Conservative	2	Mismatches
				Indels
				Gaps

```

RESULT 3
US-09-930-915A-252
; Sequence 252, Application US/09930915A
; Publication No. US20030138769A1
; GENERAL INFORMATION:
; APPLICANT: Biretcc, Ashley J.
; TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES HAVING ENHANCED
; TITLE OF INVENTION: STABILITY
; FILE REFERENCE: 4564/83501 ICC-102.2 PCT
; CURRENT APPLICATION NUMBER: 2001-08-15
; PRIOR APPLICATION NUMBER: 60/226,867
; PRIOR FILING DATE: 2000-08-22
; PRIOR APPLICATION NUMBER: 60/225,843
; PRIOR FILING DATE: 2000-08-16
; NUMBER OF SEQ ID NOS: 313
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 252
; LENGTH: 26
; TYPE: prt
; ORGANISM: Bos taurus
US-09-930-915A-252

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Query Match Similarity      69.9%; Score 100; DB 12; Length 26;
Best Local Similarity      94.7%; Pred. No. 5.7e-06;
Matches    18; Conservative   1; Mismatches    0; Indels    0; Gaps    0;

QY          1 PMSPALRLRPPPEPSA 19
             |||||
Db           8 PMSPALRLRPPPEPSA 26

RESULT 4
US-10-082-014-74
; Sequence 74, Application US/10082014
; Publication No. US20030185858A1
; GENERAL INFORMATION:
; APPLICANT: Birkett, Ashley J.
; TITLE OF INVENTION: IMMUNOGENIC HBC CHIMER PARTICLES STABILIZED WITH AN N-TERMINAL CY
; FILE REFERENCE: ICC-130.0 4554/85124

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? CURRENT APPLICATION NUMBER: US/10/082,014
? CURRENT FILING DATE: 2002-02-22
? PRIOR APPLICATION NUMBER: 09/930,915
? PRIOR FILING DATE: 2001-08-15
? NUMBER OF SEQ ID NOS: 290
? SOFTWARE: PatentIn version 3.1
? SEQ ID NO: 74
? LENGTH: 26
? TYPE: PRT
? ORGANISM: Bovine Inhibin
US-10-082-014-74

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Q7      1 PMSPAALRLQRPPEPSA 19
        |||||
Db       8 PMSPAALRLQRPPEPSA 26
        |||||

Query Match 69.9%; Score 100; DB 12; Length 26;
Best Local Similarity 94.7%; Pred. No. 5.76-06;
Matches 18; Conservative 1; Mismatches 0; Gaps 0;

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RESULT 5
US-10-372-076-75
; Sequence 75, Application US/10372076
; Publication No. US20030196645A1
; GENERAL INFORMATION:
; APPLICANT: Page, Mark
; APPLICANT: Friede, Martin
; TITLE OF INVENTION: STABILIZED HBC CHIMER PARTICLES AS THERAPEUTIC VACCINE FOR
; TITLE OF INVENTION: CHRONIC HEPATITIS
; FILE REFERENCE: 4564/87179
; CURRENT APPLICATION NUMBER: US/10/372,076
; CURRENT FILING DATE: 2003-02-21
; PRIOR APPLICATION NUMBER: 10/080,299
; PRIOR FILING DATE: 2002-02-21
; PRIOR APPLICATION NUMBER: 10/082,014
; PRIOR FILING DATE: 2002-02-22
; NUMBER OF SEQ ID NOS: 308
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 75
; LENGTH: 26
; TYPE: PRT
; ORGANISM: Bovine Inhibin
US-10-372-076-75

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	Query Match	69.9%	Score 100;	DB 12;	length 26;
	Best Local Similarity	94.7%	Pred.	No. 5.7e-06;	
	Matches	18;	Conservative	1;	Mismatches 0; Indels 0; Gaps 0;
Cy	1 FWSPALRLTORPEEPSA	19			
	:				
Dd	8 FWSPALRLRLORPEEPSA	26			

RESULT 6  
 US-09-813-459-18  
 : Sequence 18, Application US/09813459  
 : Patent No. US20020107368A1  
 : GENERAL INFORMATION:  
 :  
 : APPLICANT: Lee, Se-jin  
 :  
 : Cunningham, No. US20020107369A1  
 :  
 : TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-10  
 :  
 : NUMBER OF SEQUENCES: 26  
 :  
 : CORRESPONDENCE ADDRESS:  
 :  
 : ADDRESSEE: Spensley Horn Jubas & Lubitz  
 :  
 : STREET: 1880 Century Park East, Suite 500  
 :  
 : CITY: Los Angeles  
 :  
 : STATE: California  
 :  
 : COUNTRY: USA  
 :  
 : ZIP: 90067  
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 : COMPUTER READABLE FORM:  
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 : MEDIUM TYPE: Floppy disk  
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 : COMPUTER: IBM PC compatible  
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Query Match          98.5%; Score 98; DB 10; Length 122;
Best Local Similarity 90.0%; Pred. No. 4,4e-05;
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Cy      6  ALRLQRPPEPSAAHCFHR 25
      |||||:|||||
      1  ALRLQRPPEPSAAHANCHR 20

RESULT 7
US-09-859-211-44
; Sequence 44, Application US/09859211
; Patent No. US20020157125A1
; GENERAL INFORMATION:
; APPLICANT: Lee, Se-Jin
; APPLICANT: McPherson, Alexandra C.
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8
; FILE REFERENCE: 07265/144001
; CURRENT APPLICATION NUMBER: US/09/859,211
; CURRENT FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: 09/019,070
; PRIOR FILING DATE: 1998-02-05
; PRIOR APPLICATION NUMBER: 08/862,445
; PRIOR FILING DATE: 1997-05-23
; PRIOR APPLICATION NUMBER: 08/847,910
; PRIOR FILING DATE: 1997-04-28
; PRIOR APPLICATION NUMBER: 08/795,071
; PRIOR FILING DATE: 1997-02-05
; PRIOR APPLICATION NUMBER: 08/525,596
; PRIOR FILING DATE: 1995-10-26
; PRIOR APPLICATION NUMBER: PCT/US94/03019
; PRIOR FILING DATE: 1994-03-18
; PRIOR APPLICATION NUMBER: 08/033,923
; PRIOR FILING DATE: 1993-03-19
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 44
; LENGTH: 122
; TYPR: PRT
; ORGANISM: Homo sapiens
; US-09-859-211-44

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Query Match 68.5%; Score 98; DB 10; Length 122;  
 Best Local Similarity 90.0%; Pred. No. 4-4e-05;  
 Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSNAFCHR 25  
 |||||:|||||  
 Db 1 ALRLQRPPEPSNAFCHR 20

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      RESULT 8
US-09-880-708-22
; Sequence 22, Application US/09880708
; Patent No. US20020165361A1
; GENERAL INFORMATION:
; APPLICANT: Lee, Se-Jin
;              Huynh, Thanh
; TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-5
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Gray Cary Ware & Freidenrich LLP
; STREET: 4365 Executive Drive, Suite 1600
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92121-2189
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows95
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/880,708
; FILING DATE: 12-Jun-2001
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/145,060
; FILING DATE: <Unknown>
; APPLICATION NUMBER: 08/003,144
; FILING DATE: 12-JAN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Lisa A. Haile, Ph.D.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07265/057002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 858/677-1456
; TELEFAX: 619/677-1465
; INFORMATION FOR SEQ ID NO: 22:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 122 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; IMMEDIATE SOURCE:
; CLONE: Inhibit-alpha
; SEQUENCE DESCRIPTION: SEQ ID NO: 22:
US-09-880-708-22

Query Match          68.5%; Score 98; DB 10; Length 122;
Best Local Similarity 90.0%; Pred. No. 4,4e-05;
Matches    18; Conservative    1; Mismatches    1; Indels    0; Gaps    0;

Cy       6 ALRLQRPPEPSAHAFCHR 25
         |||||.....|||
Db       1 ALRLQRPPEPSAHANCHR 20

RESULT 9
US-09-872-856-44
; Sequence 44, Application US/09872856
; Publication No. US20030074680A1
; GENERAL INFORMATION:
; APPLICANT: Johns Hopkins University School of Medicine
; APPLICANT: Lee, Se-jin
; APPLICANT: McPherson, Alexandra

```

FILE OF INVENTION: Growth Differentiation Factor-8  
FILE REFERENCE: JH1120-17  
CURRENT APPLICATION NUMBER: US/09/872,856  
CURRENT FILING DATE: 2001-06-01  
PRIOR APPLICATION NUMBER: US 09/124,180  
PRIOR FILING DATE: 1998-07-28  
PRIOR APPLICATION NUMBER: US 09/019,070  
PRIOR FILING DATE: 1998-02-05  
PRIOR APPLICATION NUMBER: US 08/862,445  
PRIOR FILING DATE: 1997-05-23  
PRIOR APPLICATION NUMBER: US 08/847,910  
PRIOR FILING DATE: 1997-04-28  
PRIOR APPLICATION NUMBER: US 08/795,071  
PRIOR FILING DATE: 1997-02-05  
PRIOR APPLICATION NUMBER: US 08/525,596  
PRIOR FILING DATE: 1995-10-25  
PRIOR APPLICATION NUMBER: PCT/US 94/03019  
PRIOR FILING DATE: 1994-03-18  
PRIOR APPLICATION NUMBER: US 08/033,923  
PRIOR FILING DATE: 1993-03-19  
NUMBER OF SEQ ID NOS: 53  
SOFTWARE: PatentIn version 3.1  
SEQ ID NO 44  
LENGTH: 122  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-09-872-856-44

Query Match 68.5%; Score 98; DB 11; Length 122;  
Best Local Similarity 90.0%; Pred. No. 4.4e-05;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25  
1 ALRLQRPPEPSAHAFCHR 20

RESULT 10  
US-10-335-483-26  
Sequence 26, Application US/10335483  
Publication No. US20030120058A1  
GENERAL INFORMATION:  
APPLICANT: Huynh, Thanh  
Lee, Se-Jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-8  
NUMBER OF SEQUENCES: 32  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson P.C.  
STREET: 4225 Executive Square, Suite 1400  
CITY: La Jolla  
STATE: CA  
COUNTRY: US  
ZIP: 92037  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
OPERATING SYSTEM: Windows95  
SOFTWARE: PastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/335,483  
FILING DATE: 31-Dec-2002  
CLASSIFICATION: <Unknown>  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/177,860  
FILING DATE: <Unknown>  
APPLICATION NUMBER: 08/525,596  
FILING DATE: 19-SEP-1995  
APPLICATION NUMBER: PCT/US94/07762  
FILING DATE: 08-JUL-1994  
ATTORNEY/AGENT INFORMATION:  
NAME: Wetherell, Jr., Ph.D, John R.  
REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: 07265/075001

TELECOMMUNICATION INFORMATION:  
TELEPHONE: 619-678-5070  
TELEFAX: 619-678-5099  
INFORMATION FOR SEQ ID NO: 26:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 122 amino acids  
TYPE: amino acid  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin-alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..122  
SEQUENCE DESCRIPTION: SEQ ID NO: 26:  
US-10-335-483-26

Query Match 68.5%; Score 98; DB 15; Length 122;  
Best Local Similarity 90.0%; Pred. No. 4.4e-05;  
Matches 18; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 6 ALRLQRPPEPSAHAFCHR 25  
1 ALRLQRPPEPSAHAFCHR 20

RESULT 11  
US-10-115-406-18  
Sequence 18, Application US/10115406  
Publication No. US20020127612A1  
GENERAL INFORMATION:  
APPLICANT: THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE  
Lee, Se-Jin  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-9  
FILE REFERENCE: JH1190-3  
CURRENT APPLICATION NUMBER: US/10/115,406  
CURRENT FILING DATE: 2002-04-02  
PRIOR APPLICATION NUMBER: 09/301,520  
PRIOR FILING DATE: 1999-04-28  
PRIOR APPLICATION NUMBER: US 09/172,062  
PRIOR FILING DATE: 1998-10-13  
PRIOR APPLICATION NUMBER: US 08/491,835  
PRIOR FILING DATE: 1995-10-23  
PRIOR APPLICATION NUMBER: PCT/US94/00685  
PRIOR FILING DATE: 1994-01-12  
PRIOR APPLICATION NUMBER: US 08/003,303  
PRIOR FILING DATE: 1993-01-12  
NUMBER OF SEQ ID NOS: 28  
SOFTWARE: PatentIn version 3.0  
SEQ ID NO 18  
LENGTH: 121  
TYPE: PRT  
ORGANISM: Homo sapiens  
US-10-115-406-18

Query Match 65.7%; Score 94; DB 14; Length 121;  
Best Local Similarity 89.5%; Pred. No. 0.00014;  
Matches 17; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 7 LRLQRPPEPSAHAFCHR 25  
1 LRLQRPPEPSAHAFCHR 19

RESULT 12  
US-10-154-333-20  
Sequence 20, Application US/10154333  
Publication No. US20030109684A1  
GENERAL INFORMATION:  
APPLICANT: JOHNS HOPKINS UNIVERSITY  
TITLE OF INVENTION: GROWTH DIFFERENTIATION FACTOR-3  
NUMBER OF SEQUENCES: 29  
CORRESPONDENCE ADDRESS:

ADDRESSER: SPENSLEY HORN JUBAS & LUBITZ  
STREET: 1880 CENTURY PARK EAST, FIFTH FLOOR  
CITY: LOS ANGELES  
STATE: CALIFORNIA  
COUNTRY: US  
ZIP: 90067

COMPUTER READABLE FORM:  
MEDIUM TYPE: floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/10/154,333  
FILING DATE: 21-May-2002  
CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:  
APPLICATION NUMBER: US/09/389,705  
FILING DATE: 03-Sep-1999  
APPLICATION NUMBER: 09/153,733  
FILING DATE: <Unknown>

ATTORNEY/AGENT INFORMATION:  
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REGISTRATION NUMBER: 31,678  
REFERENCE/DOCKET NUMBER: FD2279 PCT  
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INFORMATION FOR SEQ ID NO: 20:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 121 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: protein  
IMMEDIATE SOURCE:  
CLONE: Inhibin alpha  
FEATURE:  
NAME/KEY: Protein  
LOCATION: 1..121  
SEQUENCE DESCRIPTION: SEQ ID NO: 20:  
US-10-154-333-20

Query Match 65.7%; Score 94; DB 15; Length 121;  
Best Local Similarity 89.5%; Pred. No. 0.00014;  
Matches 17; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 7 LRLIQRPEPSAHAFCHR 25  
DB 1 LRLIQRPEPSAHAFCHR 19

RESULT 13  
US-10-125-187-5  
Sequence 5, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNE-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
APPLICANT: CAHIR, Nicholas F.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIOR APPLICATION NUMBER: PCT/AU00/01248  
PRIOR FILING DATE: 2000-10-18  
PRIOR APPLICATION NUMBER: AU PQ 9162  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: AU PQ 3485  
PRIOR FILING DATE: 1999-10-18  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: Patentin version 3.1  
SEQ ID NO. 5

LENGTH: 14  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 5 of  
US-10-125-187-5

Query Match 51.0%; Score 73; DB 12; Length 14;  
Best Local Similarity 92.9%; Pred. No. 0.0085;  
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 WSPALRLIQRPE 15  
DB 1 WSPALRLIQRPE 14

RESULT 14  
US-10-125-187-38  
Sequence 38, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNE-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
APPLICANT: CAHIR, Nicholas F.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIOR APPLICATION NUMBER: PCT/AU00/01248  
PRIOR FILING DATE: 2000-10-18  
PRIOR APPLICATION NUMBER: AU PQ 9162  
PRIOR FILING DATE: 2000-08-03  
PRIOR APPLICATION NUMBER: AU PQ 3485  
PRIOR FILING DATE: 1999-10-18  
NUMBER OF SEQ ID NOS: 77  
SOFTWARE: Patentin version 3.1  
SEQ ID NO. 38  
LENGTH: 14  
TYPE: PRT  
ORGANISM: Artificial Sequence  
FEATURE:  
OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 5 of  
US-10-125-187-38

Query Match 51.0%; Score 73; DB 12; Length 14;  
Best Local Similarity 92.9%; Pred. No. 0.0085;  
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 2 WSPALRLIQRPE 15  
DB 1 WSPALRLIQRPE 14

RESULT 15  
US-10-125-187-39  
Sequence 39, Application US/10125187  
Publication No. US20030162229A1  
GENERAL INFORMATION:  
APPLICANT: MILNE-ROBERTSON, David M.  
APPLICANT: STANTON, Peter G.  
APPLICANT: CAHIR, Nicholas F.  
TITLE OF INVENTION: NOVEL PEPTIDES FOR DEVELOPMENT OF DIAGNOSTIC AND THERAPEUTIC AGENTS  
FILE REFERENCE: 10338-9  
CURRENT APPLICATION NUMBER: US/10/125,187  
CURRENT FILING DATE: 2002-04-18  
PRIOR APPLICATION NUMBER: PCT/AU00/01248  
PRIOR FILING DATE: 2000-10-18  
PRIOR APPLICATION NUMBER: AU PQ 9162  
PRIOR FILING DATE: 2000-08-03

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; PRIOR APPLICATION NUMBER: AU PQ 3485
; PRIOR FILING DATE: 1999-10-18
; NUMBER OF SEQ ID NOS: 77
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Inhibin alpha C amino acid sequence corresponding to peptide 6 of
; US-10-125-187-39

Query Match          49.0%; Score 70; DB 12; Length 14;
Best Local Similarity 92.9%; Pred. No. 0.021;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY      4 PAALRLQRPPEP 17
       |:|||||
Db      1 PSALRLQRPPEP 14

Search completed: February 2, 2004, 15:23:57
Job time : 27.5 secs
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